2010-11 Farm Machinery
Custom and Rental Rate Guide

AGRICULTURE

FARM MANAGEMENT

Saskatchewan
Ministry of
Agriculture

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INTRODUCTION

This publication gives detailed information regarding guidelines for machine ownership, operating costs, custom rates and rental rates for farm machinery. **This information is provided as a guideline and should be interpreted and adjusted for individual situations.**

The costs calculated in this publication use the list price less a discount to arrive at an average selling price of a new machine. Machine companies may reduce the actual selling price of the machinery below their suggested retail prices. The intent of this publication is to estimate both the ownership (fixed) and operating (variable) costs of owning machinery.

The farmer who has already invested in a machine for his own use may be in a position to do custom work for a neighbour for the suggested custom rate, less some portion of the investment cost, and still realize a return. A farmer doing work for a neighbour would need to charge at least enough to cover the operating (variable) costs of the equipment, and an amount to cover labour costs.

There may be individuals who have a custom farming business. In this instance, all costs that are calculated must be included, plus overhead costs (transportation, liability insurance, utility costs, advertising, shop equipment). Custom operators should determine these overhead costs before establishing their rates.

Assumptions

1. Interest on investment is calculated at 3.3 per cent and assumes machinery investment is 50 per cent owned, and 50 per cent borrowed. The interest rate is calculated by averaging the five-year term deposit rate, with the five-year machinery loan interest rate.

2. Diesel fuel is charged at $0.73 per litre; gasoline is charged at $0.85 per litre. The Saskatchewan fuel tax of $0.15 per litre on diesel fuel has been removed, as both farmers and custom operators are eligible for this exemption. **The five per cent Goods and Services Tax (GST) was deducted in calculating the gasoline and diesel prices because custom operators and farmers can apply for an input tax credit on these items.**

   At the time of printing, farmers and custom operators were also eligible for a $0.12 per litre Saskatchewan tax exemption on their gasoline purchases used in the farming operation. For further information, contact the Farm Fuel Program in Regina, toll free at 1-800-667-7587. Oil and grease is charged at $0.40 per hour for each 100 horse power.

3. Labour is charged at $14 per hour.

4. Propane is charged at $0.51 per litre.

Explanation of Custom Rate Guide Tables

The first section of this publication is a summary of selected custom farming operations and the custom rate for each operation. The following pages contain detailed calculations that were used to arrive at the rental or custom rate for specific farm equipment. This detailed information is provided in a table format that includes:

1. machine costs per hour;
2. machine rental per hour; and
3. custom work rates.

Machine Cost per Hour Table

The basis for calculating the machine cost data is the cost of **new** equipment. This information was collected in February and March 2010 using the most current equipment pricing guides of the major equipment manufacturers and various shortline manufacturers. The manufacturers' suggested retail price was discounted 10 per cent on machines valued up to $50,000, 15 per cent for machines valued between $50,000 and $100,000 and 18 per cent for machines valued over $100,000.

The machine cost data is given for a wide variety of farm equipment under different ranges of annual hours of use. The data is specific to each individual machine and includes fixed costs (depreciation, investment cost, insurance and housing) and variable costs (repairs, fuel, oil and grease). The total per-hour cost figure is the total cost of owning and operating that particular machine.

Machine Rental Per Hour Table

The rental rates section deals specifically with renting equipment for **short time periods**. The rates are not designed as lease rates. The rates should not be used for long term or seasonal lease arrangements.

Rental rates are calculated by adding the fixed costs (ownership costs) and repair costs to arrive at the basic rental costs. The margin is calculated by multiplying the basic rental costs by 15 per cent. The margin is added to cover risk, profit and management. The rental rates include an allowance for repair only. The renter is responsible for fuel and lubrication. No account is made to cover neglect by the renter. In the case of neglect, a settlement between the parties involved must be negotiated.

The rental rate is the total of the basic rental costs and the 15 per cent margin. The rental rates are specific to each machine. If a complement (tractor and machine) is rented, the rental rate would be the total of the two machine rental rates.

The average rental rate is listed in each category of machines as a guide, and is calculated using the average rental rate for the middle number of hours of use.

Custom Work Rates Table

The custom work rates section deals specifically with rates for custom work, including both the machine(s) and operator. The basic custom work costs are calculated by summing the total costs of the power unit (if applicable), machine, and the labour allowance per hour. A margin to cover risk, profit, management and an incentive for the operator is calculated by multiplying the basic custom work rates by 15 per cent. The custom rate is then determined by adding the basic custom work rate and the margin. In all cases, a basic labour rate of $14.00 per hour is used. The average custom rate is calculated for the middle number of hours of use for all machines.

In the case of drawn equipment, a power unit suitable to that machine being drawn has been selected, and the total cost of both the power unit and the drawn machine have been added together to arrive at an overall total cost for that operation.

The information provided in all three segments of the table is based on average conditions and should be used as guides only.

Additional points to consider when negotiating a custom work agreement are outlined in Appendix H, along with a sample of a custom farming agreement.

An additional aid in calculating custom rates is Alberta's Farm Machinery Cost Calculator. It is available on the Government of Alberta website at: **www.agric.gov.ab.ca**

The information in this guide is available on the Saskatchewan Agriculture website, along with many other publications produced by the Saskatchewan Ministry of Agriculture.

For copies of this document, contact the Agriculture Knowledge Centre at 1-866-457-2377, or visit **www.agriculture.gov.sk.ca** to download a copy of this guide.

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Classification of Air Drills, Air Seeders and Zero-Till Drills

There are several types of air seeding and zero-till seeding tools. This classification should help to remove uncertainty as to which category air seeders and zero-till seeders fit into. The following classification for air drills, air seeders and zero-till gravity drills has been developed with the assistance of the Prairie Agricultural Machinery Institute (PAMI).

Air Disk Drills
- integral on-row packer wheels are incorporated into the design that supports the rear half of the drill
- an air system is used to deliver the seed and fertilizer
- high clearance
- heavy duty trips
- generally used to seed into untilled soil
- speed used in work rate calculation of approximately 4.5 m.p.h.
- also includes side banding air disk drills with gauge packers

Air Hoe Drills
- integral on-row packer wheels are incorporated into the design that supports the rear half of the drill
- also includes side banding air hoe drills with individual gauge packers
- an air system is used to deliver the seed and fertilizer
- high clearance
- heavy duty trips (350lbs+)
- generally used to seed into untilled soil
- speed used in work rate calculation of approximately 4.5 m.p.h.

Air Drills with Independent Openers
- hydraulically-controlled shanks provide consistent depth control for enhanced seed placement
- openers can be set individually for seed and fertilizer depth and placement
- air drill has in-frame wheels that support the drill while in the field and in transport
- an air system is used to deliver the seed and fertilizer
- generally used to seed into untilled soil
- speed used in work rate calculation of approximately 4.5 m.p.h.

Air Seeders
- a cultivator-type tillage tool, with in-frame wheels, equipped with sweep-type openers using an air system to deliver the seed and fertilizer
- no on-row packer wheels
- typically followed by a harrow packer bar
- speed used in work rate calculation of approximately 5.5 m.p.h.

Drills, Zero-Till Gravity Disk
- capable of seeding directly into untilled soil using narrow openers to minimize soil disturbance
- a gravity system is used to deliver the seed and fertilizer
- has on-row packer wheels
- may be single-shoot or double-shoot system
- speed used in work rate calculation of approximately 4.5 m.p.h.

How To Use This Publication

1. Use the table of contents to locate the machine. Equipment is divided into the following sections:

   a. Powered Equipment
   b. Drawn Equipment - Grain
   c. Drawn Equipment - Livestock and Forage
   d. Drawn Equipment - Miscellaneous

   Equipment is listed alphabetically within each section.

2. Locate the size of machine to be used and the number of hours of annual use (if you are unsure of the annual hours of work, use the middle rate). The rental rate per hour and custom rate are calculated for each amount of usage. Mathematical rounding of some of the calculations may cause an error of one or two cents. The calculated custom rate is the correct figure.

3. **Calculating a custom rate for used equipment**
   If you require a custom rate for used equipment or for a number of hours not included in this publication, you can calculate your own custom rate using the blank worksheet in Appendix D. If the machine is not listed in this publication, use the appropriate cost formula from Appendix F, for a similar machine. The blank worksheet in Appendix D can also be used to calculate a custom rate using a different number of annual hours of use. If your machine has a lower value than the one in this publication, you can use the lower value to calculate the machine's investment cost. However, you should use the original cash cost to calculate repair costs. Using a value less than the original cash cost will underestimate repair costs.

4. Some operations, such as seeding, fertilizing or spraying, require the use of a truck to haul seed, fertilizer or water to the field. The cost of the truck has not been included in the spraying or fertilizing custom rates. For an example of calculating truck usage see Appendix A.

5. Power units have been matched with drawn implements for average working conditions. Some soils may require a larger power unit than the one required for average conditions. Some operations, in certain conditions, could be performed using a smaller power unit than the one used in this publication.

6. This publication uses the cost approach of calculating custom rates. The cost approach may differ from the custom rate normally charged by custom operators for some operations. **In reality, the forces of supply and demand will determine the custom rates charged by custom operators.**

Summary of the Average Calculated Custom Rates

The following list is a summary of selected custom farming operations and their calculated custom rates. These are calculated rates only, and require adjustment for individual situations. The average calculated custom rate is the average of the custom rates for each size of a particular machine for the middle number of hours of annual usage. **Exercise caution when using these "average" figures, as they may not reflect actual situations**.

2010/2011 Average Calculated Custom Rates

	*Average Custom Rate
Powered Equipment	
Bale Wagons SP	$ 0.56/bale
Combines with flex header	23.89/ac
Grain Augers (7", 38-45ft) plus margin (15%)	16.32/hr
Sprayers SP (additional costs included)	2.86/ac
Swathers SP	14.20/ac
Tractors 2WD 50-59 hp	31.12/hr
180-199hp	89.15/hr

*	Average Custom Rate
Tractors 4WD 100-130 hp	$ 70.27/hr
Tractors 4WD 400-425hp	118.48/hr
Trucks pick-up 3/4 ton	57.71/hr
Trucks grain 1 ton	81.77/hr
Trucks grain 3 ton	125.76/hr
Trucks grain 4 ton	157.91/hr

Drawn Equipment - Grain	
Air Disk Drills	$17.42/ac
Air Hoe Drills	16.17/ac
Air Drills, Independent Openers	16.78/ac
Air Seeders	12.79/ac
Anhydrous Ammonia Applicators	8.39/ac
Cultivators, Field	5.66/ac
Cultivators, Heavy Duty	6.27/ac
Disks, Heavy Breaking	18.65/ac
Disks, Heavy Tandem	8.65/ac
Drills, Disk Press	9.54/ac
Drills, Zero-Till Gravity Disk	15.11/ac
Fertilizer Spreaders	2.78/ac
Grain Augers PTO (8", 40-51 ft)	.0130/bu
Grain Augers PTO (10", 50-60 ft)	.0096/bu
Grain Augers PTO (13", 60-90 ft)	.0099/bu

Grain Conveyors PTO (15"belt, 60-65 ft)	0.0085/bu
Grain Dryers, Batch/Continuous (each % dried)	.09/bu
Grain Carts 1100 bu Cart only	80.18/hr
Grain Vacs	.04/bu
Granular Herbicide Applicators - Cult. Mount	.55/ac
Granular Herbicide Applicators - Trailer Type	1.78/ac
Harrows, Standard 5 Bar Tine	2.55/ac
Harrows, Heavy	2.40/ac
Harrow Packers	4.33/ac
Land Rollers	5.34/ac
Plows	18.69/ac
Rock Pickers, 3 Paddle Hydraulic	79.12/hr
Rock Pickers, Extra Large	93.93/hr
Rock Rakes 20 ft	74.33/hr
Rock Pickers-Rock Rakes 20-22 ft hyd	88.29/hr
Sprayers, PTO (hauling water included)	4.59/ac
Swathers, Single Swath	5.40/ac
Swath Rollers	.16/ac

Drawn Equipment - Livestock and Forage	
Bale Movers, 7-8 Bales	$ 70.07/hr
Bale Movers, 14-16 Bales	117.63/hr
Bale Processors	83.43/hr
Balers Large Round 5'x6' (twine included)	10.34/bale
Balers, Standard, 14"x18" (twine included)	0.48/bale
Balers, Large Rectangular (twine included)	8.02/bale
Bale Wagons, PTO	0.51/bale
Forage Harvesters, Medium	147.31/hr
Grinder Mixer, 500-600 bu	79.56/hr
Hay Rake, 15 ft Wheel Type	4.84/ac
Manure Spreaders 140-199 cu ft	52.73/hr

Mower Conditioners-Sickle	$ 15.20/ac
Mowers, Sickle	10.75/ac
Post Pounders 350 lb hammer	44.49/hr
Rotary Cutter, 10 ft trailing	68.28/hr
Trailers, Livestock, 16 ft Bumper	67.06/hr
Tub Grinder 8 T	88.97/hr
Vertical Feed Mixers 600-1000 cu ft	101.82/hr
Front-end Loaders, 70-140 hp	56.96/hr
Scraper, 5.5-6.5 yd	123.19/hr
Snow Blowers, 8 ft Front Mount	85.64/hr
Snow Blowers, 8 ft Rear Mount	54.84/hr

Custom Trucking
Custom Rate from farm to market is $0.14/bu for the first three miles plus $0.018/bu for each additional mile.

***Exercise caution when using these "average" figures as they may not reflect actual situations.**

* Custom Rate from field to yard hauling from one combine is $0.17/bu for the first mile plus $0.015/bu for each additional mile.

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES				
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST $/HR.	REPAIR COST $/HR.	FUEL COST $/HR.	LUBE & OIL COST /HR.	TOTAL PER HR. COST NO LABOUR $/HR.	LAB. COST $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC CUSTOM RATE
BALE WAGONS SP																	$/BALE
160 BALE	138600	60	23	183.83	46.20	16.79	0.4	247.22		230.03	34.50	264.53	261.22	39.18	300.40		0.80
(100 HP)		100	(D)	122.18	27.72	16.79	0.4	167.09	14.00	149.90	22.48	172.38	181.09	27.16	208.25	375	0.56
		140		96.41	19.80	16.79	0.4	133.40		116.21	17.43	133.64	147.40	22.11	169.51	BL/HR	0.45
								Average Rental Rate per Bale				0.46	Average Custom Rate per Bale				0.56
COMBINES SP CONVENTIONAL - NO HEADER																	
CLASS 5	176600	120		143.31	47.09	18.25	0.76	209.42		190.41	28.56	218.97	223.42	33.51	256.93		
<300hp/<250bu hopper		150	25	121.44	37.67	18.25	0.76	178.13		159.12	23.87	182.98	192.13	28.82	220.95		
		180	(D)	107.89	31.40	18.25	0.76	158.30	14.00	139.29	20.89	160.18	172.30	25.84	198.14		
		350		67.63	16.15	18.25	0.76	102.79		83.78	12.57	96.34	116.79	17.52	134.30		
CLASS 6	237300	120		192.57	63.28	21.90	0.98	278.73		255.85	38.38	294.23	292.73	43.91	336.64		
300hp/<300bu hopper		150	30	163.18	50.62	21.90	0.98	236.69		213.81	32.07	245.88	250.69	37.60	288.29		
		180	(D)	144.97	42.19	21.90	0.98	210.04	14.00	187.16	28.07	215.24	224.04	33.61	257.65		
		350		90.87	21.70	21.90	0.98	135.45		112.57	16.89	129.46	149.45	22.42	171.87		
CLASS 7	244300	120		198.25	65.15	25.55	1.12	290.07		263.40	39.51	302.91	304.07	45.61	349.68		
>300hp/300bu hopper		150	35	168.00	52.12	25.55	1.12	246.78		220.11	33.02	253.13	260.78	39.12	299.90		
		180	(D)	149.25	43.43	25.55	1.12	219.35	14.00	192.68	28.90	221.58	233.35	35.00	268.36		
		350		93.55	22.34	25.55	1.12	142.56		115.89	17.38	133.27	156.56	23.48	180.04		
CLASS 8+	287200	120		233.06	76.59	29.20	1.12	339.97		309.65	46.45	356.10	353.97	53.10	407.07		
>350hp/>300bu hopper		150	40	197.50	61.27	29.20	1.12	289.09		258.77	38.82	297.58	303.09	45.46	348.55		
		180	(D)	175.46	51.06	29.20	1.12	256.84	14.00	226.52	33.98	260.50	270.84	40.63	311.46		
		350		109.98	26.26	29.20	1.12	166.56		136.24	20.44	156.68	180.56	27.08	207.65		
COMBINES SP ROTARY - NO HEADER																	
CLASS 5	248900	120		201.98	66.37	18.25	0.80	287.41		268.36	40.25	308.61	301.41	45.21	346.62		
<300hp/<250bu hopper		150	25	171.16	53.10	18.25	0.80	243.31		224.26	33.64	257.90	257.31	38.60	295.91		
		180	(D)	152.06	44.25	18.25	0.80	215.36	14.00	196.31	29.45	225.76	229.36	34.40	263.76		
		350		95.32	22.76	18.25	0.80	137.12		118.07	17.71	135.78	151.12	22.67	173.79		
CLASS 6	259600	120		210.67	69.23	21.90	1.00	302.79		279.89	41.98	321.88	316.79	47.52	364.31		
300hp/<300bu hopper		150	30	178.52	55.38	21.90	1.00	256.80		233.90	35.08	268.98	270.80	40.62	311.42		
		180	(D)	158.60	46.15	21.90	1.00	227.65	14.00	204.75	30.71	235.46	241.65	36.25	277.90		
		350		99.41	23.73	21.90	1.00	146.05		123.15	18.47	141.62	160.05	24.01	184.06		
CLASS 7	294600	120		239.07	78.56	25.55	1.20	344.38		317.63	47.64	365.27	358.38	53.76	412.14		
>300hp/300bu hopper		150	35	202.59	62.85	25.55	1.20	292.18		265.43	39.82	305.25	306.18	45.93	352.11		
		180	(D)	179.98	52.37	25.55	1.20	259.10	14.00	232.35	34.85	267.21	273.10	40.97	314.07		
		350		112.82	26.93	25.55	1.20	166.50		139.75	20.96	160.71	180.50	27.08	207.58		
CLASS 8+	310500	120		251.97	82.80	29.20	1.20	365.17		334.77	50.22	384.99	379.17	56.88	436.05		
>350hp/>300bu hopper		150	40	213.52	66.24	29.20	1.20	310.16		279.76	41.96	321.72	324.16	48.62	372.78		
		180	(D)	189.70	55.20	29.20	1.20	275.30	14.00	244.90	36.73	281.63	289.30	43.39	332.69		
		350		118.91	28.39	29.20	1.20	177.69		147.29	22.09	169.39	191.69	28.75	220.45		

COMBINE ATTACHMENTS - HEADERS

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARG $/HR.	HEADER RENTAL RATE /HR.	TOTAL MACH COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	COMBINE/ HEADER CALC. CUSTOM RATE
PICKUP HEADERS																$/AC
14 FT	21000	100	18.38	5.67	24.05	24.05	3.61	27.65	24.05			297.15	44.57	341.72		22.78
		150	13.13	3.78	16.91	16.91	2.54	19.44	16.91			290.01	43.50	333.51		22.23
		200	10.24	2.84	13.07	13.07	1.96	15.03	13.07			286.18	42.93	329.10		21.94
		250	8.55	2.27	10.82	10.82	1.62	12.44	10.82	259.10	14.00	283.92	42.59	326.51	15.0	21.77
		300	7.47	1.89	9.36	9.36	1.40	10.77	9.36			282.47	42.37	324.84	AC/HR	21.66
16 FT	28200	100	24.68	7.61	32.29	32.29	4.84	37.13	32.29			321.58	48.24	369.82		20.55
		150	17.63	5.08	22.70	22.70	3.41	26.11	22.70			312.00	46.80	358.80		19.93
		200	13.75	3.81	17.55	17.55	2.63	20.19	17.55			306.85	46.03	352.88		19.60
		250	11.48	3.05	14.53	14.53	2.18	16.71	14.53	275.30	14.00	303.82	45.57	349.40	18.0	19.41
		300	10.03	2.54	12.57	12.57	1.89	14.46	12.57			301.87	45.28	347.15	AC/HR	19.29
					*Average Rental Rate per Hour			14.57				Average Custom Rate per Acre				20.59

a) 14' used Class 7 Rotary Combine Power Unit Costs and corresponding 15 ac/hr workrate
b) 16' used Class 8+ Rotary Combine Power Unit Costs and corresponding 18 ac/hr workrate
*To obtain a per acre custom charge for headers, divide Header Rental Rate/Hour by the ac/hr work rate of your combine.

RIGID HEADERS WITH BATT REELS																$/AC
20 FT	23500	100	20.56	6.35	26.91	26.91	4.04	30.94	26.91			256.27	38.44	294.71		29.47
		150	14.69	4.23	18.92	18.92	2.84	21.76	18.92			248.28	37.24	285.52		28.55
		200	11.46	3.17	14.63	14.63	2.19	16.82	14.63			243.99	36.60	280.59		28.06
		250	9.57	2.54	12.11	12.11	1.82	13.92	12.11	215.36	14.00	241.47	36.22	277.69	10.0	27.77
		300	8.36	2.12	10.48	10.48	1.57	12.05	10.48			239.84	35.98	275.81	AC/HR	27.58
25 FT	25200	100	22.05	6.80	28.85	28.85	4.33	33.18	28.85			270.50	40.58	311.08		25.92
		150	15.75	4.54	20.29	20.29	3.04	23.33	20.29			261.94	39.29	301.23		25.10
		200	12.29	3.40	15.69	15.69	2.35	18.04	15.69			257.34	38.60	295.94		24.66
		250	10.26	2.72	12.98	12.98	1.95	14.93	12.98	227.65	14.00	254.63	38.19	292.83	12.0	24.40
		300	8.97	2.27	11.23	11.23	1.69	12.92	11.23			252.88	37.93	290.82	AC/HR	24.23
30 FT	28500	100	24.94	7.70	32.63	32.63	4.89	37.53	32.63			305.74	45.86	351.60		23.44
		150	17.81	5.13	22.94	22.94	3.44	26.38	22.94			296.05	44.41	340.45		22.70
		200	13.89	3.85	17.74	17.74	2.66	20.40	17.74			290.85	43.63	334.47		22.30
		250	11.60	3.08	14.68	14.68	2.20	16.88	14.68	259.10	14.00	287.79	43.17	330.95	15.0	22.06
		300	10.14	2.57	12.70	12.70	1.91	14.61	12.70			285.81	42.87	328.68	AC/HR	21.91
					*Average Rental Rate per Hour			15.24				Average Custom Rate per Acre				24.74

a) 20' used Class 5 Rotary Combine Power Unit Costs and corresponding 10 ac/hr workrate
b) 25' used Class 6 Rotary Combine Power Unit Costs and corresponding 12 ac/hr workrate
c) 30' used Class 7 Rotary Combine Power Unit Costs and corresponding 15 ac/hr workrate
*To obtain a per acre custom charge for headers, divide Header Rental Rate/Hour by the ac/hr work rate of your combine.

COMBINE ATTACHMENTS - HEADERS

MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	MACHINE COSTS PER HOUR: FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COST $/HR.	MARG $/HR.	HEADER RENTAL RATE /HR.	CUSTOM WORK RATES: TOTAL MACH COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	COMBINE/ HEADER CALC. CUSTOM RATE $/AC
FLEX HEADERS WITH PICKUP REELS																
20 FT	29200	100	25.55	7.88	33.43	33.43	5.02	38.45	33.43			262.79	39.42	302.21		30.22
		150	18.25	5.26	23.51	23.51	3.53	27.03	23.51			252.87	37.93	290.80		29.08
		200	14.24	3.94	18.18	18.18	2.73	20.90	18.18			247.54	37.13	284.67		28.47
		250	11.89	3.15	15.04	15.04	2.26	17.30	15.04	215.36	14.00	244.40	36.66	281.06	10.0	28.11
		300	10.39	2.63	13.02	13.02	1.95	14.97	13.02			242.38	36.36	278.73	AC/HR	27.87
25 FT	31900	100	27.91	8.61	36.53	36.53	5.48	42.00	36.53			278.18	41.73	319.90		26.66
		150	19.94	5.74	25.68	25.68	3.85	29.53	25.68			267.33	40.10	307.43		25.62
		200	15.55	4.31	19.86	19.86	2.98	22.84	19.86			261.51	39.23	300.73		25.06
		250	12.99	3.45	16.43	16.43	2.46	18.90	16.43	227.65	14.00	258.08	38.71	296.80	12.0	24.73
		300	11.35	2.87	14.22	14.22	2.13	16.35	14.22			255.87	38.38	294.25	AC/HR	24.52
30 FT	41700	100	36.49	11.26	47.75	47.75	7.16	54.91	47.75			320.85	48.13	368.98		24.60
		150	26.06	7.51	33.57	33.57	5.04	38.60	33.57			306.67	46.00	352.67		23.51
		200	20.33	5.63	25.96	25.96	3.89	29.85	25.96			299.06	44.86	343.92		22.93
		250	16.98	4.50	21.48	21.48	3.22	24.70	21.48	259.10	14.00	294.59	44.19	338.77	15.0	22.58
		300	14.84	3.75	18.59	18.59	2.79	21.38	18.59			291.69	43.75	335.45	AC/HR	22.36
36 FT	48700	100	43.49	13.42	56.91	56.91	8.54	65.44	56.91			346.20	51.93	398.13		22.12
		150	31.06	8.95	40.01	40.01	6.00	46.01	40.01			329.30	49.40	378.70		21.04
		200	24.23	6.71	30.94	30.94	4.64	35.58	30.94			320.23	48.04	368.27		20.46
		250	20.24	5.37	25.60	25.60	3.84	29.44	25.60	275.30	14.00	314.90	47.23	362.13	18.0	20.12
		300	17.68	4.47	22.15	22.15	3.32	25.48	22.15			311.45	46.72	358.17	AC/HR	19.90
						*Average Rental Rate per Hour		22.59				Average Custom Rate per Acre				23.89

a) 20' used Class 5 Rotary Combine Power Unit Costs and corresponding 10 ac/hr workrate
b) 25' used Class 6 Rotary Combine Power Unit Costs and corresponding 12 ac/hr workrate
c) 30' used Class 7 Rotary Combine Power Unit Costs and corresponding 15 ac/hr workrate
d) 36' used Class 8+ Rotary Combine Power Unit Costs and corresponding 18 ac/hr workrate
*To obtain a per acre custom charge for headers, divide Header Rental Rate/Hour by the ac/hr work rate of your combine.

MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	MACHINE COSTS PER HOUR: FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	MACHINE RENTAL PER HOUR: BASIC RENTAL COST $/HR.	MARG $/HR.	HEADER RENTAL RATE /HR.	CUSTOM WORK RATES: TOTAL MACH COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	COMBINE/ HEADER CALC. CUSTOM RATE $/AC
DRAPER STYLE HEADERS WITH PICKUP REELS																
20 FT	42600	100	37.28	11.50	48.78	48.78	7.32	56.09	48.78			278.14	41.72	319.86		31.99
		150	26.63	7.67	34.29	34.29	5.14	39.44	34.29			263.65	39.55	303.20		30.32
		200	20.77	5.75	26.52	26.52	3.98	30.50	26.52			255.88	38.38	294.26		29.43
		250	17.34	4.60	21.95	21.95	3.29	25.24	21.95	215.36	14.00	251.31	37.70	289.00	10.0	28.90
		300	15.16	3.83	18.99	[illegible]	2.85	21.84	18.99			248.35	37.25	285.60	AC/HR	28.56
25 FT	47600	100	41.65	12.85	54.50	54.50	8.18	62.68	54.50			296.15	44.42	340.57		28.38
		150	29.75	8.57	38.32	38.32	5.75	44.07	38.32			279.97	42.00	321.96		26.83
		200	23.21	6.43	29.63	29.63	4.44	34.08	29.63			271.28	40.69	311.97		26.00
		250	19.38	5.14	24.52	24.52	3.68	28.20	24.52	227.65	14.00	266.17	39.93	306.10	12.0	25.51
		300	16.93	4.28	21.22	21.22	3.18	24.40	21.22			262.87	39.43	302.30	AC/HR	25.19
30 FT	53100	100	46.46	14.34	60.80	60.80	9.12	69.92	60.80			333.90	50.09	383.99		25.60
		150	33.19	9.56	42.75	42.75	6.41	49.16	42.75			315.85	47.38	363.23		24.22
		200	25.89	7.17	33.05	33.05	4.96	38.01	33.05			306.16	45.92	352.08		23.47
		250	21.62	5.73	27.35	27.35	4.10	31.46	27.35	259.10	14.00	300.46	45.07	345.53	15.0	23.04
		300	18.89	4.78	23.67	23.67	3.55	27.22	23.67			296.77	44.52	341.29	AC/HR	22.75
36 FT	56400	100	49.35	15.23	64.58	64.58	9.69	74.26	64.58			353.87	53.08	406.95		22.61
		150	35.25	10.15	45.40	45.40	6.81	52.21	45.40			334.70	50.20	384.90		21.38
		200	27.50	7.61	35.11	35.11	5.27	40.38	35.11			324.40	48.66	373.06		20.73
		250	22.96	6.09	29.05	29.05	4.36	33.41	29.05	275.30	14.00	318.35	47.75	366.10	18.0	20.34
		300	20.07	5.08	25.14	25.14	3.77	28.91	25.14			314.44	47.17	361.60	AC/HR	20.09
40 FT	65700	100	57.49	17.74	75.23	75.23	11.28	86.51	75.23			364.52	54.68	419.20		20.96
		150	41.06	11.83	52.89	52.89	7.93	60.82	52.89			342.18	51.33	393.51		19.68
		200	32.03	8.87	40.90	40.90	6.13	47.03	40.90			330.19	49.53	379.72		18.99
		250	26.75	7.10	33.84	33.84	5.08	38.92	33.84	275.30	14.00	323.14	48.47	371.61	20.0	18.58
		300	23.37	5.91	29.29	29.29	4.39	33.68	29.29			318.58	47.79	366.37	AC/HR	18.32
						*Average Rental Rate per Hour		31.45				Average Custom Rate per Acre				23.27

a) 20' used Class 5 Rotary Combine Power Unit Costs and corresponding 10 ac/hr workrate
b) 25' used Class 6 Rotary Combine Power Unit Costs and corresponding 12 ac/hr workrate
c) 30' used Class 7 Rotary Combine Power Unit Costs and corresponding 15 ac/hr workrate
d) 36' used Class 8+ Rotary Combine Power Unit Costs and corresponding 18 ac/hr workrate
e) 40' used Class 8+ Rotary Combine Power Unit Costs and corresponding 20 ac/hr workrate
*To obtain a per acre custom charge for headers, divide Header Rental Rate/Hour by the ac/hr work rate of your combine.

POWERED EQUIPMENT

MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST $/HR.	REPAIR COST $/HR.	FUEL COST $/HR.	LUBE & OIL COST /HR.	TOTAL PER HR. COST NO LABOUR $/HR.	LAB. COST $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
GRAIN AUGERS																	
7 IN.	5120	25	1	16.01	4.10	0.85	0.06	21.02									
30-37 FT		50	(G)	9.03	2.05	0.85	0.06	11.99		20.10	3.02	23.12					SEE
(W/16 HP)		75		6.65	1.37	0.85	0.06	8.93		11.07	1.66	12.74					
										8.01	1.20	9.22					GRAIN
7 IN.	5980	25	1.4	18.69	4.78	1.19	0.06	24.73									
38-45 FT		50	(G)	10.54	2.39	1.19	0.06	14.19		23.48	3.52	27.00					HAULING
(W/18 HP)		75		7.76	1.59	1.19	0.06	10.61		12.93	1.94	14.87					
										9.36	1.40	10.76					SECTION
8 IN.	6970	25	2.0	21.79	5.58	1.70	0.06	29.13									
40-51 FT		50	(G)	12.29	2.79	1.70	0.06	16.84		27.36	4.10	31.47					
(W/20 HP)		75		9.05	1.86	1.70	0.06	12.67		15.08	2.26	17.34					
										10.91	1.64	12.54					
10 IN.	8260	25	2.5	25.82	6.61	2.13	0.06	34.62									
40-50 FT		50	(G)	14.56	3.30	2.13	0.06	20.06		32.43	4.86	37.29					
(W/25 HP)		75		10.72	2.20	2.13	0.06	15.12		17.87	2.68	20.55					
										12.93	1.94	14.87					
SPRAYER, HIGH CLEARANCE																	
CLASS 1																	
110 HP/<450 gal tank		200		48.51	16.46	10.95	0.44	76.36									$/AC
80 FT BOOM		300		34.48	10.97	10.95	0.44	56.84		64.97	9.74	74.71					
	94050	400	15	27.78	8.23	10.95	0.44	47.40		45.45	6.82	52.26	90.36	13.55	103.91		1.30
		500	(D)	24.11	6.58	10.95	0.44	42.08	14.00	36.01	5.40	41.41	70.84	10.63	81.46		1.02
		600		22.05	5.49	10.95	0.44	38.92		30.69	4.60	35.29	61.40	9.21	70.61		0.88
CLASS 3										27.53	4.13	31.66	56.08	8.41	64.49	80.0	0.81
<200 HP/<850 gal tank		200		80.66	27.37	14.60	0.50	123.13					52.92	7.94	60.86	AC/HR	0.76
80 FT BOOM		300		57.33	18.25	14.60	0.50	90.68		108.03	16.20	124.24					
	156400	400	20	46.20	13.69	14.60	0.50	74.98		75.58	11.34	86.91	137.13	20.57	157.70		1.97
		500	(D)	40.09	10.95	14.60	0.50	66.13	14.00	59.88	8.98	68.86	104.68	15.70	120.38		1.50
		600		36.66	9.12	14.60	0.50	60.89		51.03	7.65	58.69	88.98	13.35	102.33		1.28
CLASS 4										45.79	6.87	52.65	80.13	12.02	92.15	80.0	1.15
<250 HP/<1000 gal tank		200		103.56	35.14	21.90	0.72	161.32					74.89	11.23	86.12	AC/HR	1.08
90 FT BOOM		300		73.61	23.43	21.90	0.72	119.65		138.70	20.81	159.51					
	200800	400	30	59.31	17.57	21.90	0.72	99.50		97.03	14.55	111.59	175.32	26.30	201.62		2.24
		500	(D)	51.47	14.06	21.90	0.72	88.14	14.00	76.88	11.53	88.41	133.65	20.05	153.70		1.71
		600		47.07	11.71	21.90	0.72	81.40		65.52	9.83	75.35	113.50	17.03	130.53		1.45
CLASS 4										58.78	8.82	67.60	102.14	15.32	117.46	90.0	1.31
>250 HP/1200 gal tank		200		136.31	46.25	29.20	0.80	212.57					95.40	14.31	109.71	AC/HR	1.22
100 FT BOOM		300		96.88	30.84	29.20	0.80	157.72		182.57	27.38	209.95					
	264300	400	40	78.07	23.13	29.20	0.80	131.19		127.72	19.16	146.87	226.57	33.98	260.55		2.61
		500	(D)	67.74	18.50	29.20	0.80	116.24	14.00	101.19	15.18	116.37	171.72	25.76	197.47		1.97
		600		61.96	15.42	29.20	0.80	107.37		86.24	12.94	99.18	145.19	21.78	166.97		1.67
										77.37	11.61	88.98	130.24	19.54	149.78	100.0	1.50
								Average Rental Rate per Acre				1.03	121.37	18.21	139.58	AC/HR	1.40
													Average Custom Rate per Acre				1.44
SWATHERS, SP																	
18 FT	72800	60	13	96.56	26.69	9.49	0.30	133.04									$/AC
STANDARD		100	(D)	64.17	16.02	9.49	0.30	89.98	14.00	123.25	18.49	141.74	147.04	22.06	169.09		19.89
TABLE		140		50.64	11.44	9.49	0.30	71.87		80.19	12.03	92.22	103.98	15.60	119.58	8.5	14.07
										62.08	9.31	71.39	85.87	12.88	98.75	AC/HR	11.62
20-22 FT	107100	60	14	142.05	39.27	10.22	0.36	191.90									
SLIDING		100	(D)	94.41	23.56	10.22	0.36	128.55	14.00	181.32	27.20	208.52	205.90	30.88	236.78		24.92
TABLE		140		74.50	16.83	10.22	0.36	101.91		117.97	17.70	135.67	142.55	21.38	163.93	9.5	17.26
										91.33	13.70	105.03	115.91	17.39	133.29	AC/HR	14.03
24-26 FT	110300	60	14	146.29	40.44	10.22	0.36	197.32									
SLIDING		100	(D)	97.23	24.27	10.22	0.36	132.08	14.00	186.74	28.01	214.75	211.32	31.70	243.01		21.13
TABLE		140		76.72	17.33	10.22	0.36	104.63		121.50	18.22	139.72	146.08	21.91	167.99	11.5	14.61
										94.05	14.11	108.16	118.63	17.80	136.43	AC/HR	11.86
30 FT	117800	60	15	156.24	43.19	10.95	0.36	210.74									
SLIDING		100	(D)	103.84	25.92	10.95	0.36	141.07	14.00	199.43	29.91	229.35	224.74	33.71	258.45		18.46
TABLE		140		81.94	18.51	10.95	0.36	111.76		129.76	19.46	149.22	155.07	23.26	178.33	14.0	12.74
										100.45	15.07	115.52	125.76	18.86	144.62	AC/HR	10.33
36 FT	136200	60	17	180.64	49.94	12.41	0.36	243.35									
SLIDING		100	(D)	120.06	29.96	12.41	0.36	162.79	14.00	230.58	34.59	265.17	257.35	38.60	295.96		17.94
TABLE		140		94.74	21.40	12.41	0.36	128.91		150.02	22.50	172.53	176.79	26.52	203.31	16.5	12.32
										116.14	17.42	133.56	142.91	21.44	164.35	AC/HR	9.96
								Average Rental Rate per Acre				11.68	Average Custom Rate per Acre				14.20

NOTE: For a custom spraying operation, the cost of transportation would be on average 0.46 /ac. See Appendix A.
Cost of foam ranges from $.03-$.25/ac.
For the cost of hauling water to the field add $0.60/acre (assumes 7.5 gal/ac., 12 mile haul & $10.00/1200 gal water cost). See Appendix A.
For the cost of hauling water to the field add $0.71/acre if the water truck driver is paid for waiting time.
For a custom spraying operation add a charge for liability insurance and administration costs.

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES				
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST $/HR.	REPAIR COST $/HR.	FUEL COST $/HR.	LUBE & OIL COST /HR.	TOTAL PER HR. COST NO LABOUR $/HR.	LAB. COST $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
TRACTORS 2WD (PTO-HP)																	
		200		5.71	2.42	5.84	0.14	14.10		8.12	1.22	9.34	28.10	4.22	32.32		
		300		4.30	1.61	5.84	0.14	11.89		5.91	0.89	6.80	25.89	3.88	29.78		
30-39 HP	15600	400	8	3.52	1.21	5.84	0.14	10.71		4.73	0.71	5.44	24.71	3.71	28.41		
		600	(D)	2.53	0.81	5.84	0.14	9.32	14.00	3.34	0.50	3.84	23.32	3.50	26.82		
		800		2.08	0.60	5.84	0.14	8.66		2.68	0.40	3.08	22.66	3.40	26.06		
		200		7.61	3.22	6.57	0.18	17.58		10.83	1.62	12.46	31.58	4.74	36.32		
		300		5.73	2.15	6.57	0.18	14.63		7.88	1.18	9.07	28.63	4.29	32.93		
40-49 HP	20800	400	9	4.69	1.61	6.57	0.18	13.05		6.30	0.95	7.25	27.05	4.06	31.11		
		600	(D)	3.38	1.07	6.57	0.18	11.20	14.00	4.45	0.67	5.12	25.20	3.78	28.98		
		800		2.77	0.81	6.57	0.18	10.32		3.57	0.54	4.11	24.32	3.65	27.97		
		200		9.47	4.01	7.30	0.22	21.01		13.49	2.02	15.51	35.01	5.25	40.26		
		300		7.14	2.68	7.30	0.22	17.34		9.82	1.47	11.29	31.34	4.70	36.04		
50-59 HP	25900	400	10	5.84	2.01	7.30	0.22	15.37		7.85	1.18	9.03	29.37	4.41	33.77		
		600	(D)	4.20	1.34	7.30	0.22	13.06	14.00	5.54	0.83	6.37	27.06	4.06	31.12		
		800		3.45	1.00	7.30	0.22	11.97		4.45	0.67	5.12	25.97	3.90	29.86		
		200		10.83	4.59	10.22	0.26	25.89		15.41	2.31	17.73	39.89	5.98	45.88		
		300		8.16	3.06	10.22	0.26	21.70		11.22	1.68	12.90	35.70	5.35	41.05		
60-69 HP	29600	400	14	6.68	2.29	10.22	0.26	19.45		8.97	1.35	10.32	33.45	5.02	38.47		
		600	(D)	4.80	1.53	10.22	0.26	16.81	14.00	6.33	0.95	7.28	30.81	4.62	35.44		
		800		3.94	1.15	10.22	0.26	15.56		5.08	0.76	5.85	29.56	4.43	34.00		
		200		16.61	7.04	11.68	0.30	35.62		23.64	3.55	27.19	49.62	7.44	57.07		
		300		12.51	4.69	11.68	0.30	29.19		17.21	2.58	19.79	43.19	6.48	49.66		
70-79 HP	45400	400	16	10.24	3.52	11.68	0.30	25.74		13.76	2.06	15.82	39.74	5.96	45.70		
		600	(D)	7.37	2.35	11.68	0.30	21.69	14.00	9.71	1.46	11.17	35.69	5.35	41.05		
		800		6.04	1.76	11.68	0.30	19.78		7.80	1.17	8.97	33.78	5.07	38.84		
		200		18.51	7.84	13.14	0.34	39.83		26.35	3.95	30.30	53.83	8.07	61.90		
		300		13.95	5.23	13.14	0.34	32.66		19.18	2.88	22.05	46.66	7.00	53.66		
80-89 HP	50600	400	18	11.41	3.92	13.14	0.34	28.81		15.33	2.30	17.63	42.81	6.42	49.24		
		600	(D)	8.21	2.61	13.14	0.34	24.31	14.00	10.83	1.62	12.45	38.31	5.75	44.05		
		800		6.73	1.96	13.14	0.34	22.17		8.69	1.30	9.99	36.17	5.43	41.60		
		200		19.60	8.31	14.60	0.38	42.89		27.91	4.19	32.10	56.89	8.53	65.43		
		300		14.77	5.54	14.60	0.38	35.29		20.31	3.05	23.36	49.29	7.39	56.69		
90-99 HP	53600	400	20	12.09	4.15	14.60	0.38	31.22		16.24	2.44	18.68	45.22	6.78	52.01		
		600	(D)	8.70	2.77	14.60	0.38	26.45	14.00	11.47	1.72	13.19	40.45	6.07	46.52		
		800		7.13	2.08	14.60	0.38	24.19		9.21	1.38	10.59	38.19	5.73	43.91		
		200		25.35	10.74	16.79	0.44	53.32		36.09	5.41	41.50	67.32	10.10	77.42		
		300		19.10	7.16	16.79	0.44	43.49		26.26	3.94	30.20	57.49	8.62	66.12		
100-119 HP	69300	400	23	15.63	5.37	16.79	0.44	38.23		21.00	3.15	24.15	52.23	7.83	60.07		
		600	(D)	11.25	3.58	16.79	0.44	32.06	14.00	14.83	2.22	17.05	46.08	6.91	52.97		
		800		9.22	2.69	16.79	0.44	29.13		11.90	1.79	13.69	43.13	6.47	49.60		
		200		28.97	12.28	20.44	0.52	62.20		41.24	6.19	47.43	76.20	11.43	87.63		
		300		21.83	8.18	20.44	0.52	50.98		30.02	4.50	34.52	64.98	9.75	74.72		
120-139 HP	79200	400	28	17.86	6.14	20.44	0.52	44.96		24.00	3.60	27.60	58.96	8.84	67.81		
		600	(D)	12.85	4.09	20.44	0.52	37.91	14.00	16.95	2.54	19.49	51.91	7.79	59.69		
		800		10.53	3.07	20.44	0.52	34.56		13.60	2.04	15.64	48.56	7.28	55.85		
		200		37.16	15.75	23.36	0.60	76.87		52.91	7.94	60.84	90.87	13.63	104.50		
		300		28.01	10.50	23.36	0.60	62.46		38.50	5.78	44.28	76.46	11.47	87.93		
140-159 HP	101600	400	32	22.92	7.87	23.36	0.60	54.75		30.79	4.62	35.41	68.75	10.31	79.06		
		600	(D)	16.49	5.25	23.36	0.60	45.70	14.00	21.74	3.26	25.00	59.70	8.95	68.65		
		800		13.51	3.94	23.36	0.60	41.41		17.45	2.62	20.07	55.41	8.31	63.72		

NOTE: For MFWD add the following to the Custom Rate $/HR. for 30-99 HP add $0.02/HP/HR for over 99HP add $0.02/HP/HR

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES				
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST $/HR.	REPAIR COST $/HR.	FUEL COST $/HR.	LUBE & OIL COST /HR.	TOTAL PER HR. COST NO LABOUR $/HR.	LAB. COST $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
TRACTORS 2WD continued (PTO-HP)																	
		200		47.07	19.95	28.47	0.68	96.17		67.02	10.05	77.07	110.17	16.53	126.70		
		300		35.48	13.30	28.47	0.68	77.93		48.78	7.32	56.09	91.93	13.79	105.71		
160-179 HP	128700	400	39	29.03	9.97	28.47	0.68	68.15		39.00	5.85	44.85	82.15	12.32	94.48		
		600	(D)	20.89	6.65	28.47	0.68	56.69	14.00	27.54	4.13	31.67	70.69	10.60	81.29		
		800		17.12	4.99	28.47	0.68	51.26		22.11	3.32	25.42	65.26	9.79	75.04		
		200		54.94	23.28	30.66	0.72	109.60		78.22	11.73	89.95	123.60	18.54	142.14		
		300		41.40	15.52	30.66	0.72	88.30		56.92	8.54	65.46	102.30	15.35	117.65		
180-199 HP	150200	400	42	33.88	11.64	30.66	0.72	76.90		45.52	6.83	52.35	90.90	13.63	104.53		
		600	(D)	24.38	7.76	30.66	0.72	63.52	14.00	32.14	4.82	36.96	77.52	11.63	89.15		
		800		19.98	5.82	30.66	0.72	57.18		25.80	3.87	29.67	71.18	10.68	81.86		
		200		64.92	27.51	32.85	0.72	126.00		92.43	13.86	106.30	140.00	21.00	161.00		
		300		48.93	18.34	32.85	0.72	100.84		67.27	10.09	77.36	114.84	17.23	132.07		
200-225 HP	177500	400	45	40.03	13.76	32.85	0.72	87.36		53.79	8.07	61.86	101.36	15.20	116.57		
		600	(D)	28.81	9.17	32.85	0.72	71.55	14.00	37.98	5.70	43.68	85.55	12.83	98.38		
		800		23.61	6.88	32.85	0.72	64.06		30.49	4.57	35.06	78.06	11.71	89.77		
		200		68.36	28.97	34.31	0.72	132.36		97.33	14.60	111.93	146.36	21.95	168.31		
		300		51.52	19.31	34.31	0.72	105.86		70.83	10.62	81.46	119.86	17.98	137.84		
226-250 HP	186900	400	47	42.15	14.48	34.31	0.72	91.67		56.64	8.50	65.14	105.67	15.85	121.52		
		600	(D)	30.33	9.66	34.31	0.72	75.02	14.00	39.99	6.00	45.99	89.02	13.35	102.37		
		800		24.86	7.24	34.31	0.72	67.13		32.10	4.82	36.92	81.13	12.17	93.30		
		200		91.77	38.89	35.77	0.72	167.15		130.66	19.60	150.25	181.15	27.17	208.32		
		300		69.16	25.93	35.77	0.72	131.58		95.09	14.26	109.35	145.58	21.84	167.41		
251+ HP	250900	400	49	56.59	19.44	35.77	0.72	112.52		76.03	11.41	87.44	126.52	18.98	145.50		
		600	(D)	40.72	12.96	35.77	0.72	90.17	14.00	53.68	8.05	61.74	104.17	15.63	119.80		
		800		33.37	9.72	35.77	0.72	79.59		43.10	6.46	49.56	93.59	14.04	107.62		

NOTE For MFWD add the following to the Custom Rate $/HR, for 30-99 HP add $0.02/HP/HR
for over 99HP add $0.02/HP/HR

TRACTORS 4WD (Engine - HP)																	
		200		37.49	13.33	25.55	0.48	76.84		50.81	7.62	58.44	90.84	13.63	104.47		
		300		28.25	8.88	25.55	0.48	63.17		37.14	5.57	42.71	77.17	11.58	88.74		
100-130 HP	102500	400	35	23.12	6.66	25.55	0.48	55.81		29.78	4.47	34.25	69.81	10.47	80.28		
Bi-directional		600	(D)	16.64	4.44	25.55	0.48	47.11	14.00	21.08	3.16	24.24	61.11	9.17	70.27		
		800		13.63	3.33	25.55	0.48	43.00		16.97	2.54	19.51	57.00	8.55	65.54		
		200		70.48	25.05	29.93	1.10	126.56		95.53	14.33	109.86	140.56	21.08	161.65		
		300		53.12	16.70	29.93	1.10	100.85		69.82	10.47	80.29	114.65	17.23	132.08		
250-299 HP	192700	400	41	43.46	12.53	29.93	1.10	87.02		55.99	8.40	64.39	101.02	15.15	116.17		
		600	(D)	31.28	8.35	29.93	1.10	70.66	14.00	39.63	5.94	45.57	84.66	12.70	97.35		
		800		25.63	6.26	29.93	1.10	62.92		31.89	4.78	36.68	76.92	11.54	88.46		
		200		73.22	26.03	33.58	1.30	134.13		99.25	14.89	114.14	148.13	22.22	170.35		
		300		55.19	17.35	33.58	1.30	107.42		72.54	10.88	83.42	121.42	18.21	139.63		
300-349 HP	200200	400	46	45.15	13.01	33.58	1.30	93.05		58.17	8.73	66.89	107.05	16.06	123.10		
		600	(D)	32.49	8.68	33.58	1.30	76.05	14.00	41.17	6.18	47.34	90.05	13.51	103.56		
		800		26.63	6.51	33.58	1.30	68.02		33.14	4.97	38.11	82.02	12.30	94.32		
		200		83.90	29.82	36.50	1.50	151.73		113.73	17.06	130.78	165.73	24.86	190.58		
		300		63.23	19.88	36.50	1.50	121.12		83.12	12.47	95.58	135.12	20.27	155.38		
350-399 HP	229400	400	50	51.74	14.91	36.50	1.50	104.65		66.65	10.00	76.65	118.65	17.80	136.45		
		600	(D)	37.23	9.94	36.50	1.50	85.17	14.00	47.17	7.08	54.25	99.17	14.88	114.05		
		800		30.51	7.46	36.50	1.50	75.97		37.97	5.70	43.66	89.97	13.50	103.46		
		200		82.70	29.39	40.88	1.65	154.62		112.09	16.81	128.90	168.62	25.29	193.91		
		300		62.32	19.60	40.88	1.65	124.45		81.92	12.29	94.21	138.45	20.77	159.22		
400-425 HP	226100	400	56	51.00	14.70	40.88	1.65	108.22		65.69	9.85	75.55	122.22	18.33	140.55		
		600	(D)	36.70	9.80	40.88	1.65	89.02	14.00	46.49	6.97	53.47	103.02	15.45	118.48		
		800		30.07	7.35	40.88	1.65	79.95		37.42	5.61	43.04	93.95	14.09	108.04		
		200		102.48	36.43	47.45	1.80	188.16		138.91	20.84	159.75	202.16	30.32	232.48		
		300		77.24	24.28	47.45	1.80	150.77		101.52	15.23	116.75	164.77	24.72	189.49		
450-500 HP	280200	400	65	63.20	18.21	47.45	1.80	130.66		81.41	12.21	93.62	144.66	21.70	166.36		
		600	(D)	45.48	12.14	47.45	1.80	106.87	14.00	57.62	8.64	66.26	120.87	18.13	139.00		
		800		37.27	9.11	47.45	1.80	95.63		46.38	6.96	53.33	109.63	16.44	126.07		
		200		110.05	39.12	49.64	1.80	200.61		149.17	22.38	171.55	214.61	32.19	246.80		
		300		82.94	26.08	49.64	1.80	160.46		109.02	16.35	125.37	174.46	26.17	200.63		
500+ HP	300900	400	68	67.87	19.56	49.64	1.80	138.87		87.43	13.11	100.54	152.87	22.93	175.80		
		600	(D)	48.84	13.04	49.64	1.80	113.32	14.00	61.88	9.28	71.16	127.32	19.10	146.41		
		800		40.02	9.78	49.64	1.80	101.24		49.80	7.47	57.27	115.24	17.29	132.53		

POWERED EQUIPMENT

				MACHINE COMPONENT COSTS PER HOUR						MACHINE RENTAL PER HOUR			CUSTOM WORK RATES				
MACHINE SIZE	ORIG. COST	ANN. HOURS OF USE	FUEL TYPE AND LITRE /HOUR	FIXED COST $/HR.	REPAIR COST $/HR.	FUEL COST $/HR.	LUBE & OIL COST /HR.	TOTAL PER HR. COST NO LABOUR $/HR.	LAB. COST $/HR.	BASIC RENTAL COSTS $/HR.	MARGIN $/HR.	RENTAL RATE $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
3 TON		100	23	86.66	22.85	16.79	0.48	126.78		109.51	16.43	125.94	140.78	21.12	161.90		
SINGLE AXLE	91400	150	(D)	62.85	15.23	16.79	0.48	95.36	14.00	78.09	11.71	89.80	109.36	16.40	125.76		
DIESEL		200		50.26	11.43	16.79	0.48	78.95		61.68	9.25	70.93	92.95	13.94	106.89		
4 TON		100	27	113.87	30.03	19.71	1.00	164.61		143.90	21.58	165.48	178.61	26.79	205.40		
TANDEM	120100	150	(D)	82.59	20.02	19.71	1.00	123.32	14.00	102.61	15.39	118.00	137.32	20.60	157.91		
DIESEL		200		66.04	15.01	19.71	1.00	101.76		81.05	12.16	93.21	115.76	17.36	133.12		
3T and 4T trucks were priced with grain box, hoist and roll tarp See Appendix A for custom grain hauling for seeding and harvesting																	
TRUCKS		200	16	23.00	6.26	11.68	0.40	41.34		29.26	4.39	33.65	55.34	8.30	63.64		
PICK-UP	40400	250	(D)	19.09	5.01	11.68	0.40	36.18	14.00	24.10	3.62	27.72	50.18	7.53	57.71		
3/4 TON		300		16.55	4.17	11.68	0.40	32.80		20.72	3.11	23.83	46.80	7.02	53.82		
TRUCKS		100	18	48.26	12.73	13.14	0.48	74.61		60.99	9.15	70.13	88.61	13.29	101.90		
GRAIN	50900	150	(D)	35.00	8.48	13.14	0.48	57.11	14.00	43.49	6.52	50.01	71.11	10.67	81.77		
1 TON		200		27.99	6.36	13.14	0.48	47.97		34.35	5.15	39.50	61.97	9.30	71.26		
1T trucks were priced with cab and chassis only																	

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
AIR DISK DRILLS																$/AC
30-35 FT	130900	100	106.15	39.27	145.42	145.42	21.81	167.23	145.42			230.07	34.51	264.59		22.05
		150	76.93	26.18	103.11	103.11	15.47	118.57	103.11	70.66	14.00	187.76	28.16	215.93	12.0	17.99
		200	62.06	19.64	81.69	81.69	12.25	93.95	81.69	250 HP		166.35	24.95	191.30	AC/HR	15.94
36-40 FT	152100	100	123.34	45.63	168.97	168.97	25.35	194.32	168.97			253.63	38.04	291.67		21.61
		150	89.38	30.42	119.80	119.80	17.97	137.77	119.80	70.66	14.00	204.46	30.67	235.13	13.5	17.42
		200	72.11	22.82	94.92	94.92	14.24	109.16	94.92	275 HP		179.58	26.94	206.52	AC/HR	15.30
41-45 FT	183400	100	148.72	55.02	203.74	203.74	30.56	234.30	203.74			293.79	44.07	337.86		21.12
		150	107.78	36.68	144.46	144.46	21.67	166.13	144.46	76.05	14.00	234.51	35.18	269.68	16.0	16.86
		200	86.95	27.51	114.46	114.46	17.17	131.63	114.46	300 HP		204.50	30.68	235.18	AC/HR	14.70
					Average Rental Rate per Acre			10.16					Average Custom Rate per Acre			17.42
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates																
AIR HOE DRILLS																
30-35 FT	135300	100	109.72	40.59	150.31	150.31	22.55	172.85	150.31			234.96	35.24	270.21		21.62
		150	79.51	27.06	106.57	106.57	15.99	122.56	106.57	70.66	14.00	191.23	28.68	219.91	12.5	17.59
		200	64.14	20.30	84.44	84.44	12.67	97.10	84.44	250 HP		169.09	25.36	194.46	AC/HR	15.56
36-40 FT	152400	100	123.58	45.72	169.30	169.30	25.40	194.70	169.30			253.96	38.09	292.05		20.86
		150	89.56	30.48	120.04	120.04	18.01	138.05	120.04	70.66	14.00	204.70	30.70	235.40	14.0	16.81
		200	72.25	22.86	95.11	95.11	14.27	109.38	95.11	275 HP		179.77	26.96	206.73	AC/HR	14.77
41-45 FT	161100	100	130.64	48.33	178.97	178.97	26.85	205.81	178.97			269.02	40.35	309.37		19.34
		150	94.67	32.22	126.89	126.89	19.03	145.93	126.89	76.05	14.00	216.94	32.54	249.48	16.0	15.59
		200	76.37	24.17	100.54	100.54	15.08	115.62	100.54	300 HP		190.59	28.59	219.18	AC/HR	13.70
46-50 FT	189400	100	153.59	56.82	210.41	210.41	31.56	241.97	210.41			309.58	46.44	356.02		19.78
		150	111.30	37.88	149.18	149.18	22.38	171.56	149.18	85.17	14.00	248.36	37.25	285.61	18.0	15.87
		200	89.79	28.41	118.20	118.20	17.73	135.93	118.20	375 HP		217.37	32.61	249.98	AC/HR	13.89
51-55 FT	207700	100	168.43	62.31	230.74	230.74	34.61	265.35	230.74			333.76	50.06	383.82		19.19
		150	122.06	41.54	163.60	163.60	24.54	188.14	163.60	89.02	14.00	266.62	39.99	306.61	20.0	15.33
		200	98.47	31.16	129.62	129.62	19.44	149.07	129.62	400 HP		232.64	34.90	267.54	AC/HR	13.38
56-60 FT	218600	100	177.27	65.58	242.85	242.85	36.43	279.27	242.85			345.87	51.88	397.75		19.89
		150	128.46	43.72	172.18	172.18	25.83	198.01	172.18	89.02	14.00	275.21	41.28	316.49	20.0	15.82
		200	103.63	32.79	136.42	136.42	20.46	156.89	136.42	425 HP		239.45	35.92	275.36	AC/HR	13.77
					Average Rental Rate per Acre			9.54					Average Custom Rate per Acre			16.17
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates																
*All airdrills have been priced with an air tank of varying capacity respective to the implement's seeding width																
AIR DRILLS WITH INDEPENDENT OPENERS																
40 FT	159000	100	128.93	47.70	176.63	176.63	26.50	203.13	176.63			266.68	40.00	306.69		19.17
		150	93.44	31.80	125.24	125.24	18.79	144.02	125.24	76.05	14.00	215.29	32.29	247.58	16.0	15.47
		200	75.38	23.85	99.23	99.23	14.88	114.11	99.23	300 HP		189.28	28.39	217.67	AC/HR	13.60
50 FT	198400	100	160.88	59.52	220.40	220.40	33.06	253.47	220.40			319.58	47.94	367.51		20.42
		150	116.59	39.68	156.27	156.27	23.44	179.71	156.27	85.17	14.00	255.45	38.32	293.76	18.0	16.32
		200	94.06	29.76	123.82	123.82	18.57	142.39	123.82	375 HP		222.99	33.45	256.44	AC/HR	14.25
60 FT	249200	100	202.08	74.76	276.84	276.84	41.53	318.37	276.84			379.86	56.98	436.84		21.84
		150	146.45	49.84	196.29	196.29	29.44	225.73	196.29	89.02	14.00	299.31	44.90	344.20	20.0	17.21
		200	118.14	37.38	155.52	155.52	23.33	178.85	155.52	425 HP		258.54	38.78	297.33	AC/HR	14.87
70 FT	286300	100	232.16	85.89	318.05	318.05	47.71	365.76	318.05			438.92	65.84	504.76		22.94
		150	168.25	57.26	225.51	225.51	33.83	259.34	225.51	106.87	14.00	346.38	51.96	398.33	22.0	18.11
		200	135.73	42.95	178.68	178.68	26.80	205.48	178.68	450 HP		299.54	44.93	344.48	AC/HR	15.66
					Average Rental Rate per Acre			10.52					Average Custom Rate per Acre			16.78
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates																
*All airdrills have been priced with an air tank of varying capacity respective to the implement's seeding width																

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
AIR SEEDERS																
24-25 FT	89500	100	72.58	26.85	99.43	99.43	14.91	114.34	99.43			184.08	27.61	211.69		19.24
		150	52.60	17.90	70.50	70.50	10.57	81.07	70.50	70.66	14.00	155.15	23.27	178.42	11.0	16.22
		200	42.43	13.43	55.86	55.86	8.38	64.23	55.86	250 HP		140.51	21.08	161.59	AC/HR	14.69
28-30 FT	104100	100	84.42	31.23	115.65	115.65	17.35	132.99	115.65			200.30	30.05	230.35		17.06
		150	61.18	20.82	82.00	82.00	12.30	94.30	82.00	70.66	14.00	166.65	25.00	191.65	13.5	14.20
		200	49.35	15.62	64.97	64.97	9.75	74.71	64.97	250 HP		149.62	22.44	172.07	AC/HR	12.75
34-35 FT	108600	100	88.07	32.58	120.65	120.65	18.10	138.74	120.65			205.30	30.80	236.10		14.76
		150	63.82	21.72	85.54	85.54	12.83	98.37	85.54	70.66	14.00	170.20	25.53	195.73	16.0	12.23
		200	51.49	16.29	67.78	67.78	10.17	77.94	67.78	275 HP		152.43	22.86	175.30	AC/HR	10.96
40-41 FT	120900	100	98.04	36.27	134.31	134.31	20.15	154.46	134.31			224.36	33.65	258.01		13.95
		150	71.05	24.18	95.23	95.23	14.28	109.51	95.23	76.05	14.00	185.28	27.79	213.07	18.5	11.52
		200	57.32	18.14	75.45	75.45	11.32	86.77	75.45	300 HP		165.50	24.82	190.32	AC/HR	10.29
46-47 FT	139600	100	113.20	41.88	155.08	155.08	23.26	178.35	155.08			254.26	38.14	292.39		13.60
		150	82.04	27.92	109.96	109.96	16.49	126.45	109.96	85.17	14.00	209.13	31.37	240.50	21.5	11.19
		200	66.18	20.94	87.12	87.12	13.07	100.19	87.12	375 HP		186.29	27.94	214.24	AC/HR	9.96
50-55 FT	170200	100	138.02	51.06	189.08	189.08	28.36	217.44	189.08			292.10	43.81	335.91		14.00
		150	100.02	34.04	134.06	134.06	20.11	154.17	134.06	89.02	14.00	237.08	35.56	272.65	24.0	11.36
		200	80.69	25.53	106.22	106.22	15.93	122.15	106.22	400 HP		209.24	31.39	240.63	AC/HR	10.03
					Average Rental Rate per Acre			6.45						Average Custom Rate per Acre		12.79

Note: If equipped with mounted harrows add $0.70/AC
: If equipped with tow behind packers add $3.91/AC
*All airseeders have been priced with an air tank of varying capacity respective to the implement's seeding width.

ANHYDROUS AMMONIA APPLICATORS, 1600 GAL TANK & HD CULTIVATOR																
25 FT	57600	150	30.56	21.12	51.68	51.68	7.75	59.43	51.68			111.38	16.71	128.08		11.14
		250	20.31	12.67	32.98	32.98	4.95	37.93	32.98	45.70	14.00	92.68	13.90	106.58	11.5	9.27
		350	16.03	9.05	25.08	25.08	3.76	28.84	25.08	150 HP		84.78	12.72	97.49	AC/HR	8.48
36 FT	76400	150	40.53	28.01	68.55	68.55	10.28	78.83	68.55			153.20	22.98	176.18		10.68
		250	26.94	16.81	43.75	43.75	6.56	50.31	43.75	70.66	14.00	128.40	19.26	147.66	16.5	8.95
		350	21.26	12.01	33.26	33.26	4.99	38.25	33.26	250 HP		117.92	17.69	135.61	AC/HR	8.22
48 FT	84400	150	44.78	30.95	75.72	75.72	11.36	87.08	75.72			160.38	24.06	184.44		8.38
250			29.76	18.57	48.33	48.33	7.25	55.58	48.33	70.66	14.00	132.98	19.95	152.93	22.0	6.95
		350	23.48	13.26	36.75	36.75	5.51	42.26	36.75	275 HP		121.40	18.21	139.61	AC/HR	6.35
					Average Rental Rate per Acre			2.96						Average Custom Rate per Acre		8.39

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
CULTIVATORS FIELD																$/AC
14-15 FT	21600	150	11.46	7.92	19.38	19.38	2.91	22.29	19.38			50.19	7.53	57.72		7.70
		250	7.62	4.75	12.37	12.37	1.86	14.22	12.37	16.81	14.00	43.18	6.48	49.66	7.5	6.62
		350	6.01	3.39	9.40	9.40	1.41	10.81	9.40	65 HP		40.22	6.03	46.25	AC/HR	6.17
20-21 FT	25600	150	13.58	9.39	22.97	22.97	3.45	26.41	22.97			61.27	9.19	70.47		7.05
		250	9.03	5.63	14.66	14.66	2.20	16.86	14.66	24.31	14.00	52.97	7.94	60.91	10.0	6.09
		350	7.12	4.02	11.15	11.15	1.67	12.82	11.15	85 HP		49.45	7.42	56.87	AC/HR	5.69
25-27FT	28400	150	15.07	10.41	25.48	25.48	3.82	29.30	25.48			71.54	10.73	82.27		6.09
		250	10.01	6.25	16.26	16.26	2.44	18.70	16.26	32.06	14.00	62.32	9.35	71.67	13.5	5.31
		350	7.90	4.46	12.36	12.36	1.85	14.22	12.36	110 HP		58.42	8.76	67.19	AC/HR	4.98
33-34 FT	34200	150	18.14	12.54	30.68	30.68	4.60	35.29	30.68			90.38	13.56	103.94		6.30
		250	12.06	7.52	19.58	19.58	2.94	22.52	19.58	45.70	14.00	79.28	11.89	91.17	16.5	5.53
		350	9.52	5.37	14.89	14.89	2.23	17.12	14.89	150 HP		74.59	11.19	85.78	AC/HR	5.20
41-45 FT	50500	150	26.79	18.52	45.31	45.31	6.80	52.10	45.31			122.83	18.42	141.25		6.57
		250	17.81	11.11	28.92	28.92	4.34	33.25	28.92	63.52	14.00	106.43	15.97	122.40	21.5	5.69
		350	14.05	7.94	21.99	21.99	3.30	25.28	21.99	180 HP		99.50	14.93	114.43	AC/HR	5.32
46-50 FT	56200	150	29.82	20.61	50.42	50.42	7.56	57.99	50.42			135.08	20.26	155.34		6.47
		250	19.82	12.36	32.18	32.18	4.83	37.01	32.18	70.66	14.00	116.84	17.53	134.36	24.0	5.60
		350	15.64	8.83	24.47	24.47	3.67	28.14	24.47	275 HP		109.12	16.37	125.49	AC/HR	5.23
51-55 FT	59300	150	31.46	21.74	53.20	53.20	7.98	61.18	53.20			143.25	21.49	164.74		6.22
		250	20.91	13.05	33.96	33.96	5.09	39.05	33.96	76.05	14.00	124.00	18.60	142.60	26.5	5.38
		350	16.50	9.32	25.82	25.82	3.87	29.69	25.82	325 HP		115.87	17.38	133.25	AC/HR	5.03
56-60 FT	64600	150	34.27	23.69	57.96	57.96	8.69	66.65	57.96			148.01	22.20	170.21		5.87
		250	22.78	14.21	36.99	36.99	5.55	42.54	36.99	76.05	14.00	127.04	19.06	146.09	29.0	5.04
		350	17.97	10.15	28.13	28.13	4.22	32.34	28.13	325 HP		118.17	17.73	135.90	AC/HR	4.69
					Average Rental Rate per Acre			1.55						Average Custom Rate per Acre		5.66

Note: If equipped with mounted harrows add $0.70/AC

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
CULTIVATORS HEAVY DUTY																$/AC
18-20 FT	22900	150	12.15	8.40	20.55	20.55	3.08	23.63	20.55			58.85	8.83	67.68		7.12
		250	8.07	5.04	13.11	13.11	1.97	15.08	13.11	24.31	14.00	51.42	7.71	59.13	9.5	6.22
		350	6.37	3.60	9.97	9.97	1.50	11.47	9.97	85 HP		48.28	7.24	55.52	AC/HR	5.84
21-22 FT	28700	150	15.23	10.52	25.75	25.75	3.86	29.61	25.75			71.81	10.77	82.58		7.51
		250	10.12	6.31	16.43	16.43	2.47	18.90	16.43	32.06	14.00	62.49	9.37	71.87	11.0	6.53
		350	7.99	4.51	12.50	12.50	1.87	14.37	12.50	110 HP		58.55	8.78	67.34	AC/HR	6.12
23-25 FT	30500	150	16.18	11.18	27.36	27.36	4.10	31.47	27.36			73.42	11.01	84.44		7.04
		250	10.75	6.71	17.46	17.46	2.62	20.08	17.46	32.06	14.00	63.52	9.53	73.05	12.0	6.09
		350	8.49	4.79	13.28	13.28	1.99	15.27	13.28	110 HP		59.34	8.90	68.24	AC/HR	5.69
27-29 FT	42200	150	22.39	15.47	37.86	37.86	5.68	43.54	37.86			89.77	13.47	103.23		7.65
		250	14.88	9.28	24.16	24.16	3.62	27.79	24.16	37.91	14.00	76.07	11.41	87.48	13.5	6.48
		350	11.74	6.63	18.37	18.37	2.76	21.13	18.37	130 HP		70.28	10.54	80.82	AC/HR	5.99
30-31 FT	43100	150	22.87	15.80	38.67	38.67	5.80	44.47	38.67			98.37	14.76	113.12		7.30
		250	15.20	9.48	24.68	24.68	3.70	28.38	24.68	45.70	14.00	84.38	12.66	97.03	15.5	6.26
		350	11.99	6.77	18.76	18.76	2.81	21.58	18.76	150 HP		78.46	11.77	90.23	AC/HR	5.82
32-33 FT	45100	150	23.93	16.54	40.46	40.46	6.07	46.53	40.46			100.16	15.02	115.19		6.98
		250	15.90	9.92	25.82	25.82	3.87	29.70	25.82	45.70	14.00	85.52	12.83	98.35	16.5	5.96
		350	12.55	7.09	19.64	19.64	2.95	22.58	19.64	150 HP		79.33	11.90	91.23	AC/HR	5.53
34-35 FT	45900	150	24.35	16.83	41.18	41.18	6.18	47.36	41.18			118.70	17.80	136.50		7.80
		250	16.18	10.10	26.28	26.28	3.94	30.22	26.28	63.52	14.00	103.80	15.57	119.37	17.5	6.82
		350	12.77	7.21	19.98	19.98	3.00	22.98	19.98	180 HP		97.50	14.63	112.13	AC/HR	6.41
36-37 FT	48500	150	25.73	17.78	43.51	43.51	6.53	50.04	43.51			128.17	19.23	147.39		7.97
		250	17.10	10.67	27.77	27.77	4.17	31.94	27.77	70.66	14.00	112.43	16.86	129.29	18.5	6.99
		350	13.49	7.62	21.12	21.12	3.17	24.28	21.12	250 HP		105.77	15.87	121.64	AC/HR	6.57
40-41 FT	49000	150	26.00	17.97	43.96	43.96	6.59	50.56	43.96			128.62	19.29	147.91		7.22
		250	17.28	10.78	28.06	28.06	4.21	32.27	28.06	70.66	14.00	112.71	16.91	129.62	20.5	6.32
		350	13.63	7.70	21.33	21.33	3.20	24.53	21.33	250 HP		105.99	15.90	121.89	AC/HR	5.95
45-47 FT	66500	150	35.28	24.38	59.66	59.66	8.95	68.61	59.66			144.32	21.65	165.97		7.22
		250	23.45	14.63	38.08	38.08	5.71	43.79	38.08	70.66	14.00	122.73	18.41	141.14	23.0	6.14
		350	18.50	10.45	28.95	28.95	4.34	33.30	28.95	275 HP		113.61	17.04	130.65	AC/HR	5.68
58-60 FT	74400	150	39.47	27.28	66.75	66.75	10.01	76.76	66.75			156.80	23.52	180.32		6.11
		250	26.23	16.37	42.60	42.60	6.39	48.99	42.60	76.05	14.00	132.65	19.90	152.55	29.5	5.17
		350	20.70	11.69	32.39	32.39	4.86	37.25	32.39	325 HP		122.44	18.37	140.81	AC/HR	4.77
					Average Rental Rate per Acre			1.75				Average Custom Rate per Acre				6.27

Note: If equipped with mounted harrows add $0.70/AC

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
DISKS, HEAVY BREAKING																$/AC
10-12 FT	31000	100	25.14	9.30	34.44	34.44	5.17	39.60	34.44			111.96	16.79	128.75		23.41
		150	18.22	6.20	24.42	24.42	3.66	28.08	24.42	63.52	14.00	101.94	15.29	117.23	5.5	21.31
		200	14.70	4.65	19.35	19.35	2.90	22.25	19.35	185 HP		96.86	14.53	111.39	AC/HR	20.25
14-16 FT	33900	100	27.49	10.17	37.66	37.66	5.65	43.31	37.66			115.18	17.28	132.45		17.66
		150	19.92	6.78	26.70	26.70	4.01	30.71	26.70	63.52	14.00	104.22	15.63	119.85	7.5	15.98
		200	16.07	5.09	21.16	21.16	3.17	24.33	21.16	185 HP		98.67	14.80	113.48	AC/HR	15.13
					Average Rental Rate per Acre			4.60				Average Custom Rate per Acre				18.65
DISKS, HEAVY TANDEM																$/AC
12-14 FT	11200	100	9.08	3.36	12.44	12.44	1.87	14.31	12.44			43.26	6.49	49.74		7.65
		150	6.58	2.24	8.82	8.82	1.32	10.15	8.82	16.81	14.00	39.64	5.95	45.58	6.5	7.01
		200	5.31	1.68	6.99	6.99	1.05	8.04	6.99	65 HP		37.80	5.67	43.47	AC/HR	6.69
15-17 FT	26000	100	21.08	7.80	28.88	28.88	4.33	33.22	28.88			67.19	10.08	77.27		9.66
		150	15.28	5.20	20.48	20.48	3.07	23.55	20.48	24.31	14.00	58.79	8.82	67.60	8.0	8.45
		200	12.33	3.90	16.23	16.23	2.43	18.66	16.23	85 HP		54.53	8.18	62.71	AC/HR	7.84
18-19 FT	28900	100	23.44	8.67	32.11	32.11	4.82	36.92	32.11			70.41	10.56	80.97		8.52
		150	16.98	5.78	22.76	22.76	3.41	26.18	22.76	24.31	14.00	61.07	9.16	70.23	9.5	7.39
		200	13.70	4.34	18.04	18.04	2.71	20.74	18.04	85 HP		56.34	8.45	64.79	AC/HR	6.82
20-22 FT	30600	100	24.81	9.18	33.99	33.99	5.10	39.09	33.99			93.69	14.05	107.75		10.26
		150	17.98	6.12	24.10	24.10	3.62	27.72	24.10	45.70	14.00	83.80	12.57	96.37	10.5	9.18
		200	14.51	4.59	19.10	19.10	2.86	21.96	19.10	150 HP		78.80	11.82	90.62	AC/HR	8.63
23-25 FT	38000	100	30.81	11.40	42.21	42.21	6.33	48.55	42.21			112.90	16.94	129.84		10.82
		150	22.33	7.60	29.93	29.93	4.49	34.42	29.93	56.69	14.00	100.62	15.09	115.71	12.0	9.64
		200	18.02	5.70	23.72	23.72	3.56	27.27	23.72	170 HP		94.40	14.16	108.56	AC/HR	9.05
26-28 FT	43400	100	35.19	13.02	48.21	48.21	7.23	55.45	48.21			125.73	18.86	144.59		10.71
		150	25.50	8.68	34.18	34.18	5.13	39.31	34.18	63.52	14.00	111.70	16.76	128.46	13.5	9.52
		200	20.58	6.51	27.09	27.09	4.06	31.15	27.09	185 HP		104.60	15.69	120.29	AC/HR	8.91
29-32 FT	47000	100	38.11	14.10	52.21	52.21	7.83	60.04	52.21			136.87	20.53	157.40		10.49
		150	27.62	9.40	37.02	37.02	5.55	42.57	37.02	70.66	14.00	121.68	18.25	139.93	15.0	9.33
		200	22.28	7.05	29.33	29.33	4.40	33.73	29.33	275 HP		113.99	17.10	131.09	AC/HR	8.74
					Average Rental Rate per Acre			2.65				Average Custom Rate per Acre				8.65
DRILLS DISK PRESS																$/AC
10 FT	10500	100	8.51	3.15	11.66	11.66	1.75	13.41	11.66			38.73	5.81	44.54		11.13
		150	6.17	2.10	8.27	8.27	1.24	9.51	8.27	13.06	14.00	35.33	5.30	40.63	4.0	10.16
		200	4.98	1.58	6.55	6.55	0.98	7.54	6.55	55 HP		33.61	5.04	38.66	AC/HR	9.66
20-21 FT	37500	100	30.41	11.25	41.66	41.66	6.25	47.91	41.66			87.72	13.16	100.87		11.87
		150	22.04	7.50	29.54	29.54	4.43	33.97	29.54	32.06	14.00	75.60	11.34	86.93	8.5	10.23
		200	17.78	5.63	23.40	23.40	3.51	26.91	23.40	110 HP		69.46	10.42	79.88	AC/HR	9.40
28-30 FT	48100	100	39.00	14.43	53.43	53.43	8.02	61.45	53.43			113.13	16.97	130.10		10.84
		150	28.27	9.62	37.89	37.89	5.68	43.57	37.89	45.70	14.00	97.59	14.64	112.22	12.0	9.35
		200	22.80	7.22	30.02	30.02	4.50	34.52	30.02	150 HP		89.72	13.46	103.18	AC/HR	8.60
40-42 FT	59700	100	48.41	17.91	66.32	66.32	9.95	76.27	66.32			143.84	21.58	165.42		9.73
		150	35.08	11.94	47.02	47.02	7.05	54.08	47.02	63.52	14.00	124.54	18.68	143.22	17.0	8.42
		200	28.30	8.96	37.26	37.26	5.59	42.85	37.26	185 HP		114.78	17.22	131.99	AC/HR	7.76
					Average Rental Rate per Acre			3.30				Average Custom Rate per Acre				9.54

NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
DRILLS																
ZERO TILL GRAVITY DISK																
14 - 15 FT	44800	100	36.33	13.44	49.77	49.77	7.47	57.23	49.77			95.83	14.37	110.20		20.04
		150	26.33	8.96	35.29	35.29	5.29	40.58	35.29	32.06	14.00	81.35	12.20	93.55	5.5	17.01
		200	21.24	6.72	27.96	27.96	4.19	32.15	27.96	110 HP		74.02	11.10	85.12	AC/HR	15.48
21 FT	51100	100	41.44	15.33	56.77	56.77	8.52	65.28	56.77			116.47	17.47	133.94		16.74
		150	30.03	10.22	40.25	40.25	6.04	46.29	40.25	45.70	14.00	99.95	14.99	114.94	8.0	14.37
		200	24.23	7.67	31.89	31.89	4.78	36.67	31.89	150 HP		91.59	13.74	105.33	AC/HR	13.17
28 - 30 FT	71100	100	57.66	21.33	78.99	78.99	11.85	90.83	78.99			156.50	23.48	179.98		16.36
		150	41.78	14.22	56.00	56.00	8.40	64.40	56.00	63.52	14.00	133.52	20.03	153.55	11.0	13.96
		200	33.71	10.67	44.37	44.37	6.66	51.03	44.37	185 HP		121.89	18.28	140.17	AC/HR	12.74
					Average Rental Rate per Acre			6.34				Average Custom Rate per Acre				15.11
NOTE: Work rates may require adjustment for heavy straw conditions or high fertilizer rates																
FERTILIZER SPREADERS																$/AC
6 TON	13300	60	18.71	6.65	25.36	25.36	3.80	29.16	25.36			63.67	9.55	73.22		3.05
		80	14.65	4.99	19.64	19.64	2.95	22.59	19.64	24.31	14.00	57.95	8.69	66.64	24.0	2.78
		100	12.29	3.99	16.28	16.28	2.44	18.73	16.28	85 HP		54.59	8.19	62.78	AC/HR	2.62
					Average Rental Rate per Acre			0.94				Average Custom Rate per Acre				2.78
GRAIN AUGERS, PTO																$/BU
8 IN	4910	25	15.35	3.93	19.28	19.28	2.89	22.17	19.28			42.59	6.39	48.98		0.02
40-51 FT		50	8.66	1.96	10.62	10.62	1.59	12.21	10.62	9.32	14.00	33.94	5.09	39.03	3000.0	0.01
		75	6.38	1.31	7.68	7.68	1.15	8.84	7.68	35 HP		31.00	4.65	35.65	BU/HR	0.01
10 IN	10600	25	33.14	8.48	41.62	41.62	6.24	47.86	41.62			68.68	10.30	78.98		0.01
50-60 FT		50	18.69	4.24	22.93	22.93	3.44	26.37	22.93	13.06	14.00	49.99	7.50	57.49	6000.0	0.01
		75	13.76	2.83	16.59	16.59	2.49	19.08	16.59	55 HP		43.65	6.55	50.20	BU/HR	0.01
13 IN	17100	25	53.45	13.68	67.13	67.13	10.07	77.20	67.13			113.19	16.98	130.17		0.01
60-90 FT		50	30.15	6.84	36.99	36.99	5.55	42.54	36.99	32.06	14.00	83.05	12.46	95.50	9600.0	0.01
		75	22.20	4.56	26.76	26.76	4.01	30.78	26.76	105 HP		72.82	10.92	83.74	BU/HR	0.01
												Average Custom Rate / Bushel				0.01
GRAIN CONVEYORS, PTO																$/BU
15 IN BELT	12600	50	14.65	5.24	19.90	19.90	2.98	22.88	19.90			46.96	7.04	54.00		0.01
45-50 FT		100	8.08	2.62	10.70	10.70	1.61	12.31	10.70	13.06	14.00	37.77	5.66	43.43	6000.0	0.01
		150	5.96	1.75	7.71	7.71	1.16	8.87	7.71	55 HP		34.77	5.22	39.99	BU/HR	0.01
15 IN BELT	20300	50	23.61	8.44	32.05	32.05	4.81	36.86	32.05			59.12	8.87	67.98		0.01
60-65 FT		100	13.02	4.22	17.24	17.24	2.59	19.83	17.24	13.06	14.00	44.31	6.65	50.95	6000.0	0.01
		150	9.61	2.81	12.42	12.42	1.86	14.29	12.42	55 HP		39.49	5.92	45.41	BU/HR	0.01
15 IN BELT	22200	50	25.82	9.24	35.05	35.05	5.26	40.31	35.05			70.75	10.61	81.36		0.01
70-80 FT		100	14.24	4.62	18.86	18.86	2.83	21.69	18.86	21.69	14.00	54.55	8.18	62.74	6000.0	0.01
		150	10.51	3.08	13.59	13.59	2.04	15.63	13.59	75 HP		49.28	7.39	56.67	BU/HR	0.01
												Average Custom Rate / Bushel				0.01
GRAIN DRYERS- BATCH/CONTINUOUS																$/BU
300 BUS/HR	46700	50	72.99	11.68	84.67	84.67	12.70	97.37	84.67			150.85	22.63	173.47		0.58
17.5%-14.5%		100	41.17	5.84	47.00	47.00	7.05	54.05	47.00	52.18	14.00	113.18	16.98	130.16	300.0	0.43
		200	22.74	2.92	25.66	25.66	3.85	29.51	25.66	35 HP and propane and tank		91.84	13.78	105.61	BU/HR	0.35
					Suggested Rental Rate /Bu /1%			0.06				Suggested Custom Rate/Bushel / 1%				0.14
600 BUS/HR	68000	50	106.28	17.00	123.28	123.28	18.49	141.78	123.28			200.69	30.10	230.80		0.38
17.5%-14.5%		100	59.94	8.50	68.44	68.44	10.27	78.71	68.44	63.41	14.00	145.85	21.88	167.73	600.0	0.28
		200	33.11	4.25	37.36	37.36	5.60	42.96	37.36	35 HP and propane and tank		114.77	17.22	131.98	BU/HR	0.22
					Suggested Rental Rate /Bu /1%			0.04				Suggested Custom Rate/Bushel / 1%				0.09

NOTE: 300 bu dryer: Power unit costs incl. propane costs of (1) $40.29/hr(79 litres/hr x $.51/litre)(drying at 0 degrees Celsius) (2)Tank rental of $180.00/70hr =$2.57/hr (3) 35 HP tractor costs. Propane consumption will change with temperature (95 litres/hr at - 10 degrees Celsius, 126 litres/hr at - 20 degrees Celsius)

NOTE: 600 bu dryer: Power unit costs incl. propane costs of (1) $50.49/hr(99 litres/hr x $.51/litre)(drying at 0 degrees Celsius) (2)Tank rental of $180.00/50hr =$3.60/hr (3) 35 HP tractor costs. Propane consumption will change with temperature (111 litres/hr at - 10 degrees Celsius, 142 litres/hr at - 20 degrees Celsius)

NOTE: New grain dryers are powered by electric motors therefore substitute electrical costs for tractor costs.

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
GRAIN CARTS																
750 BU	42900	60	52.96	19.31	72.26	72.26	10.84	83.10	72.26			142.95	21.44	164.39		
		100	34.79	11.58	46.37	46.37	6.96	53.33	46.37	56.69	14.00	117.06	17.56	134.62		
		140	27.01	8.27	35.29	35.29	5.29	40.58	35.29	175 HP		105.97	15.90	121.87		
1100 BU	64500	60	79.62	29.03	108.65	108.65	16.30	124.95	108.65			193.30	29.00	222.30		
		100	52.30	17.42	69.72	69.72	10.46	80.18	69.72	70.66	14.00	154.37	23.16	177.53		
		140	40.61	12.44	53.05	53.05	7.96	61.01	53.05	250 HP		137.71	20.66	158.36		
GRAIN VACS																$/BU
1000-1499	12400	25	38.76	9.92	48.68	48.68	7.30	55.98	48.68			75.74	11.36	87.11		0.07
BUS/HR		50	21.86	4.96	26.82	26.82	4.02	30.84	26.82	13.06	14.00	53.88	8.08	61.97	1250.0	0.05
		75	16.10	3.31	19.41	19.41	2.91	22.32	19.41	50 HP		46.47	6.97	53.44	BU/HR	0.04
2000-3000	22700	25	70.96	18.16	89.12	89.12	13.37	102.49	89.12			124.81	18.72	143.54		0.06
BUS/HR		50	40.02	9.08	49.10	49.10	7.37	56.47	49.10	21.69	14.00	84.79	12.72	97.51	2500.0	0.04
		75	29.47	6.05	35.53	35.53	5.33	40.86	35.53	70 HP		71.22	10.68	81.90	BU/HR	0.03
4000	30300	25	94.72	24.24	118.96	118.96	17.84	136.80	118.96			159.41	23.91	183.32		0.05
BUS/HR		50	53.42	12.12	65.54	65.54	9.83	75.37	65.54	26.45	14.00	105.99	15.90	121.89	4000.0	0.03
		75	39.34	8.08	47.42	47.42	7.11	54.54	47.42	90 HP		87.87	13.18	101.05	BU/HR	0.03
					Average Rental Rate per Bushel			0.02				Average Custom Rate per Bushel				0.04
GRANULAR HERBICIDE APPLICATORS																
CULTIVATOR MOUNT																$/AC
UP TO 40 FT	6800	60	9.57	3.40	12.97	12.97	1.94	14.91	12.97			12.97	1.94	14.91		0.69
		80	7.49	2.55	10.04	10.04	1.51	11.55	10.04			10.04	1.51	11.55	21.5	0.54
		100	6.29	2.04	8.33	8.33	1.25	9.57	8.33			8.33	1.25	9.57	AC/HR	0.45
UP TO 60 FT	9500	60	13.36	4.75	18.11	18.11	2.72	20.83	18.11			18.11	2.72	20.83		0.72
		80	10.47	3.56	14.03	14.03	2.10	16.13	14.03			14.03	2.10	16.13	29.0	0.56
		100	8.78	2.85	11.63	11.63	1.74	13.38	11.63			11.63	1.74	13.38	AC/HR	0.46
Trailer Type	16100	60	22.65	8.05	30.70	30.70	4.60	35.30	30.70			69.00	10.35	79.35		1.98
40 TO 50 FT		80	17.74	6.04	23.78	23.78	3.57	27.34	23.78	24.31	14.00	62.08	9.31	71.40	40.0	1.78
		100	14.88	4.83	19.71	19.71	2.96	22.67	19.71	85 HP		58.02	8.70	66.72	AC/HR	1.67
					Average Rental Rate per Acre			0.59				Average Custom Rate per Acre				0.96

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
HARROWS, STANDARD																
5 BAR TINE																$/AC
40 FT	8700	60	10.74	3.92	14.65	14.65	2.20	16.85	14.65			52.96	7.94	60.91		3.05
		100	7.05	2.35	9.40	9.40	1.41	10.81	9.40	24.31	14.00	47.71	7.16	54.87	20.0	2.74
		140	5.48	1.68	7.16	7.16	1.07	8.23	7.16	85 HP		45.46	6.82	52.28	AC/HR	2.61
50 FT	11900	60	14.69	5.36	20.05	20.05	3.01	23.05	20.05			66.10	9.92	76.02		3.04
		100	9.65	3.21	12.86	12.86	1.93	14.79	12.86	32.06	14.00	58.92	8.84	67.76	25.0	2.71
		140	7.49	2.30	9.79	9.79	1.47	11.26	9.79	110 HP		55.85	8.38	64.22	AC/HR	2.57
60 FT	13000	60	16.05	5.85	21.90	21.90	3.28	25.18	21.90			73.80	11.07	84.88		2.83
		100	10.54	3.51	14.05	14.05	2.11	16.16	14.05	37.91	14.00	65.96	9.89	75.85	30.0	2.53
		140	8.19	2.51	10.69	10.69	1.60	12.30	10.69	130 HP		62.60	9.39	71.99	AC/HR	2.40
80 FT	16500	60	20.37	7.43	27.79	27.79	4.17	31.96	27.79			87.49	13.12	100.62		2.52
		100	13.38	4.46	17.84	17.84	2.68	20.51	17.84	45.70	14.00	77.53	11.63	89.16	40.0	2.23
		140	10.39	3.18	13.57	13.57	2.04	15.61	13.57	150 HP		73.27	10.99	84.26	AC/HR	2.11
					Average Rental Rate per Acre			0.55				Average Custom Rate per Acre				2.55
HARROWS, HEAVY																
50 FT	33800	60	41.73	15.21	56.94	56.94	8.54	65.48	56.94			141.59	21.24	162.83		3.26
		100	27.41	9.13	36.53	36.53	5.48	42.02	36.53	70.66	14.00	121.19	18.18	139.37	50.0	2.79
		140	21.28	6.52	27.80	27.80	4.17	31.97	27.80	275 HP		112.46	16.87	129.32	AC/HR	2.59
70 FT	42000	60	51.85	18.90	70.75	70.75	10.61	81.36	70.75			160.80	24.12	184.92		2.64
		100	34.06	11.34	45.40	45.40	6.81	52.21	45.40	76.05	14.00	135.45	20.32	155.76	70.0	2.23
		140	26.45	8.10	34.55	34.55	5.18	39.73	34.55	325 HP		124.59	18.69	143.28	AC/HR	2.05
80 FT	46200	60	57.03	20.79	77.82	77.82	11.67	89.50	77.82			180.84	27.13	207.97		2.60
		100	37.46	12.47	49.94	49.94	7.49	57.43	49.94	89.02	14.00	152.96	22.94	175.90	80.0	2.20
		140	29.09	8.91	38.00	38.00	5.70	43.70	38.00	425 HP		141.02	21.15	162.17	AC/HR	2.03
					Average Rental Rate per Acre			0.77				Average Custom Rate per Acre				2.40
HARROW PACKERS																$/AC
30 FT	30900	60	38.15	13.91	52.05	52.05	7.81	59.86	52.05			98.11	14.72	112.82		7.52
		100	25.06	8.34	33.40	33.40	5.01	38.41	33.40	32.06	14.00	79.46	11.92	91.38	15.0	6.09
		140	19.46	5.96	25.42	25.42	3.81	29.23	25.42	110 HP		71.47	10.72	82.19	AC/HR	5.48
50 FT	34000	60	41.97	15.30	57.27	57.27	8.59	65.86	57.27			109.18	16.38	125.56		5.02
		100	27.57	9.18	36.75	36.75	5.51	42.26	36.75	37.91	14.00	88.66	13.30	101.96	25.0	4.08
		140	21.41	6.56	27.97	27.97	4.19	32.16	27.97	130 HP		79.87	11.98	91.85	AC/HR	3.67
60 FT	37100	60	45.80	16.70	62.49	62.49	9.37	71.87	62.49			133.18	19.98	153.16		5.11
		100	30.08	10.02	40.10	40.10	6.02	46.12	40.10	56.69	14.00	110.79	16.62	127.41	30.0	4.25
		140	23.36	7.16	30.51	30.51	4.58	35.09	30.51	170 HP		101.20	15.18	116.38	AC/HR	3.88
70 FT	39200	60	48.39	17.64	66.03	66.03	9.90	75.94	66.03			136.72	20.51	157.23		4.49
		100	31.79	10.58	42.37	42.37	6.36	48.73	42.37	56.69	14.00	113.06	16.96	130.02	35.0	3.71
		140	24.68	7.56	32.24	32.24	4.84	37.08	32.24	170 HP		102.93	15.44	118.37	AC/HR	3.38
80 FT	41400	60	51.11	18.63	69.74	69.74	10.46	80.20	69.74			147.26	22.09	169.34		4.23
		100	33.57	11.18	44.75	44.75	6.71	51.46	44.75	63.52	14.00	122.27	18.34	140.61	40.0	3.52
		140	26.07	7.98	34.05	34.05	5.11	39.16	34.05	185 HP		111.57	16.74	128.30	AC/HR	3.21
					Average Rental Rate per Acre			1.69				Average Custom Rate per Acre				4.33

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
LAND ROLLER																
40-49 FT	36400	60	44.93	16.38	61.31	61.31	9.20	70.51	61.31			113.22	16.98	130.20		5.92
		100	29.52	9.83	39.35	39.35	5.90	45.25	39.35	37.91	14.00	91.25	13.69	104.94	22.0	4.77
		140	22.92	7.02	29.94	29.94	4.49	34.43	29.94	130 HP		81.85	12.28	94.12	AC/HR	4.28
50-55 FT	39900	60	73.13	16.63	89.75	89.75	13.46	103.22	89.75			160.44	24.07	184.51		7.10
		100	58.93	12.47	71.40	71.40	10.71	82.11	71.40	56.69	14.00	142.08	21.31	163.40	26.0	6.28
		140	51.13	9.98	61.11	61.11	9.17	70.27	61.11	170 HP		131.79	19.77	151.56	AC/HR	5.83
60-70 FT	55600	60	50.95	11.58	62.54	62.54	9.38	71.92	62.54			148.08	22.21	170.30		5.16
		100	46.92	9.93	56.85	56.85	8.53	65.38	56.85	71.55	14.00	142.40	21.36	163.76	33.0	4.96
		140	44.53	8.69	53.22	53.22	7.98	61.20	53.22	200 HP		138.77	20.82	159.58	AC/HR	4.84
					Average Rental Rate per Acre			2.40				Average Custom Rate per Acre				5.34
PLOWS																$/AC
7.5 FT	15500	100	12.33	6.20	18.53	18.53	2.78	21.31	18.53			49.35	7.40	56.75		18.92
5-FURROW		150	9.11	4.13	13.24	13.24	1.99	15.23	13.24	16.81	14.00	44.06	6.61	50.66	3.0	16.89
		200	7.55	3.10	10.65	10.65	1.60	12.24	10.65	65 HP		41.46	6.22	47.68	AC/HR	15.89
9 FT	21800	100	17.35	8.72	26.07	26.07	3.91	29.98	26.07			66.52	9.98	76.49		21.86
6-FURROW		150	12.81	5.81	18.62	18.62	2.79	21.42	18.62	26.45	14.00	59.07	8.86	67.93	3.5	19.41
		200	10.61	4.36	14.97	14.97	2.25	17.22	14.97	95 HP		55.42	8.31	63.74	AC/HR	18.21
12 FT	42300	100	33.66	16.92	50.58	50.58	7.59	58.17	50.58			102.49	15.37	117.86		23.57
8-FURROW		150	24.86	11.28	36.14	36.14	5.42	41.56	36.14	37.91	14.00	88.04	13.21	101.25	5.0	20.25
		200	20.60	8.46	29.06	29.06	4.36	33.41	29.06	130 HP		80.96	12.14	93.11	AC/HR	18.62
18 FT	46900	100	37.32	18.76	56.08	56.08	8.41	64.49	56.08			126.77	19.02	145.79		20.83
12-FURROW		150	27.56	12.51	40.07	40.07	6.01	46.08	40.07	56.69	14.00	110.76	16.61	127.37	7.0	18.20
		200	22.84	9.38	32.22	32.22	4.83	37.05	32.22	170 HP		102.90	15.44	118.34	AC/HR	16.91
					Average Rental Rate per Acre			6.52				Average Custom Rate per Acre				18.69
ROCK PICKERS																
FORK TYPE	11100	60	20.34	4.63	24.97	24.97	3.75	28.71	24.97			52.03	7.80	59.84		
		80	16.39	3.47	19.86	19.86	2.98	22.84	19.86	13.06	14.00	46.92	7.04	53.96		
		100	14.22	2.78	17.00	17.00	2.55	19.55	17.00	55 HP		44.06	6.61	50.67		
3 PADDLE	18500	60	33.91	7.71	41.62	41.62	6.24	47.86	41.62			77.31	11.60	88.91		
HYDRAULIC		80	27.32	5.78	33.10	33.10	4.97	38.07	33.10	21.69	14.00	68.80	10.32	79.12		
		100	23.71	4.63	28.33	28.33	4.25	32.58	28.33	75 HP		64.03	9.60	73.63		
EXTRA	25700	60	47.10	10.71	57.81	57.81	8.67	66.48	57.81			93.51	14.03	107.53		
LARGE		80	37.96	8.03	45.99	45.99	6.90	52.88	45.99	21.69	14.00	81.68	12.25	93.93		
		100	32.93	6.43	39.36	39.36	5.90	45.26	39.36	75 HP		75.05	11.26	86.31		
ROCK RAKES																
12-14 FT	10900	60	19.98	4.54	24.52	24.52	3.68	28.20	24.52			55.33	8.30	63.63		
		80	16.10	3.41	19.50	19.50	2.93	22.43	19.50	16.81	14.00	50.32	7.55	57.87		
		100	13.97	2.73	16.69	16.69	2.50	19.20	16.69	65 HP		47.51	7.13	54.63		
20 FT	18900	60	34.64	7.88	42.51	42.51	6.38	48.89	42.51			73.33	11.00	84.33		
		80	27.91	5.91	33.82	33.82	5.07	38.89	33.82	16.81	14.00	64.63	9.69	74.33		
		100	24.22	4.73	28.95	28.95	4.34	33.29	28.95	65 HP		59.76	8.96	68.72		
ROCK PICKER-ROCK RAKE COMBINATION																
20-22 FT	20300	60	37.21	8.46	45.66	45.66	6.85	52.51	45.66			86.11	12.92	99.03		
HYDRAULIC		80	29.98	6.34	36.32	36.32	5.45	41.77	36.32	26.45	14.00	76.77	11.52	88.29		
		100	26.01	5.08	31.09	31.09	4.66	35.75	31.09	95 HP		71.54	10.73	82.27		

DRAWN EQUIPMENT - GRAIN

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
SPRAYERS																
PTO																$/AC
400-500 GAL	11500	30	30.51	11.88	42.39	42.39	6.36	48.75	42.39			73.20	10.98	84.18		3.12
60-70 FT		60	17.72	5.94	23.66	23.66	3.55	27.21	23.66	16.81	14.00	54.47	8.17	62.64	27.0	2.32
		120	10.91	2.97	13.88	13.88	2.08	15.97	13.88	65 HP		44.70	6.70	51.40	AC/HR	1.90
700-800 GAL	38800	30	102.92	40.09	143.01	143.01	21.45	164.47	143.01			181.32	27.20	208.52		5.96
80-90 FT		60	59.78	20.05	79.82	79.82	11.97	91.80	79.82	24.31	14.00	118.13	17.72	135.85	35.0	3.88
		120	36.82	10.02	46.84	46.84	7.03	53.87	46.84	85 HP		85.15	12.77	97.92	AC/HR	2.80
700-800 GAL	43400	30	115.12	44.85	159.97	159.97	24.00	183.97	159.97			206.03	30.90	236.93		5.78
91-105 FT		60	66.86	22.42	89.29	89.29	13.39	102.68	89.29	32.06	14.00	135.34	20.30	155.64	41.0	3.80
		120	41.18	11.21	52.39	52.39	7.86	60.25	52.39	110 HP		98.45	14.77	113.22	AC/HR	2.76
1250 GAL	54200	30	143.77	56.01	199.78	199.78	29.97	229.75	199.78			251.68	37.75	289.44		5.46
100-110 FT		60	83.50	28.00	111.50	111.50	16.73	128.23	111.50	37.91	14.00	163.41	24.51	187.92	53.0	3.55
		120	51.43	14.00	65.43	65.43	9.81	75.24	65.43	130 HP		117.34	17.60	134.94	AC/HR	2.55
					Average Rental Rate per Acre			2.14				Average Custom Rate per Acre				3.39
NOTE: Cost of foam ranges from $.03-$.25/ac.																
For the cost of hauling water to the field add $0.60/acre (assumes 7.5 gal/ac., 12 mile haul & $10.00/1200 gal water cost). See Appendix A.																
For the cost of hauling water to the field add $0.95/acre if the water truck driver is paid for waiting time.																
SWATHERS PT																
STANDARD																$/AC
20-21 FT	21200	60	28.12	10.25	38.36	38.36	5.75	44.12	38.36			65.43	9.81	75.24		7.92
		100	18.69	6.15	24.84	24.84	3.73	28.56	24.84	13.06	14.00	51.90	7.78	59.68	9.5	6.28
		140	14.75	4.39	19.14	19.14	2.87	22.01	19.14	55 HP		46.20	6.93	53.13	AC/HR	5.59
24-25 FT	23100	60	30.64	11.17	41.80	41.80	6.27	48.07	41.80			68.86	10.33	79.19		6.89
		100	20.36	6.70	27.06	27.06	4.06	31.12	27.06	13.06	14.00	54.12	8.12	62.24	11.5	5.41
		140	16.07	4.79	20.85	20.85	3.13	23.98	20.85	55 HP		47.91	7.19	55.10	AC/HR	4.79
30 FT	25900	60	34.35	12.52	46.87	46.87	7.03	53.90	46.87			77.68	11.65	89.34		6.38
100			22.83	7.51	30.34	30.34	4.55	34.89	30.34	16.81	14.00	61.16	9.17	70.33	14.0	5.02
		140	18.02	5.37	23.38	23.38	3.51	26.89	23.38	65 HP		54.19	8.13	62.32	AC/HR	4.45
36 FT	29300	60	38.86	14.16	53.02	53.02	7.95	60.98	53.02			88.72	13.31	102.02		6.18
100			25.83	8.50	34.32	34.32	5.15	39.47	34.32	21.69	14.00	70.02	10.50	80.52	16.5	4.88
		140	20.38	6.07	26.45	26.45	3.97	30.42	26.45	75 HP		62.14	9.32	71.47	AC/HR	4.33
					Average Rental Rate per Acre			2.65				Average Custom Rate per Acre				5.40
SWATH ROLLER																
8 FT	1800	60	2.39	0.45	2.84	2.84	0.43	3.26	2.84			2.84	0.43	3.26		0.25
		100	1.59	0.27	1.86	1.86	0.28	2.14	1.86			1.86	0.28	2.14	13.0	0.16
		140	1.25	0.19	1.44	1.44	0.22	1.66	1.44			1.44	0.22	1.66	AC/HR	0.13
10 FT	2400	60	3.18	0.60	3.78	3.78	0.57	4.35	3.78			3.78	0.57	4.35		0.33
		100	2.12	0.36	2.48	2.48	0.37	2.85	2.48			2.48	0.37	2.85	13.0	0.22
		140	1.67	0.26	1.93	1.93	0.29	2.22	1.93			1.93	0.29	2.22	AC/HR	0.17
					Average Rental Rate per Hour			2.49				Average Custom Rate per Acre				0.16

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
BALE MOVERS LARGE ROUND																
7-8 BALES	18800	40	42.40	11.75	54.15	54.15	8.12	62.28	54.15			84.97	12.74	97.71		
		80	24.24	5.88	30.12	30.12	4.52	34.63	30.12	16.81	14.00	60.93	9.14	70.07		
		120	17.84	3.92	21.76	21.76	3.26	25.02	21.76	65 HP		52.57	7.89	60.45		
14-16 BALES	35100	40	79.17	21.94	101.10	101.10	15.17	116.27	101.10			147.16	22.07	169.24		
		80	45.26	10.97	56.23	56.23	8.43	64.66	56.23	32.06	14.00	102.28	15.34	117.63		
		120	33.31	7.31	40.62	40.62	6.09	46.71	40.62	110 HP		86.68	13.00	99.68		
BALE PROCESSORS																
4X5 FT TO	27500	100	28.37	8.80	37.17	37.17	5.57	42.74	37.17			89.07	13.36	102.43		
6X6 FT		200	16.25	4.40	20.65	20.65	3.10	23.74	20.65	37.91	14.00	72.55	10.88	83.43		
		300	12.29	2.93	15.22	15.22	2.28	17.50	15.22	130 HP		67.13	10.07	77.19		
BALERS, LARGE ROUND (excluding twine)																$/BALE
UNDER	18900	30	56.84	9.45	66.29	66.29	9.94	76.23	66.29			97.10	14.57	111.67		6.57
55 cu. ft.		60	32.49	4.73	37.22	37.22	5.58	42.80	37.22	16.81	14.00	68.03	10.20	78.24	17.0	4.60
4X4 FT		90	23.91	3.15	27.06	27.06	4.06	31.12	27.06	65 HP		57.87	8.68	66.56	BLS/HR	3.92
55-89 cu ft	26700	30	80.29	13.35	93.64	93.64	14.05	107.69	93.64			129.34	19.40	148.74		9.92
4X5 FT		60	45.90	6.68	52.58	52.58	7.89	60.46	52.58	21.69	14.00	88.27	13.24	101.51	15.0	6.77
or 4X6 FT		90	33.78	4.45	38.23	38.23	5.73	43.96	38.23	75 HP		73.92	11.09	85.01	BLS/HR	5.67
90-124 cuft	31300	30	94.13	15.65	109.78	109.78	16.47	126.25	109.78			148.09	22.21	170.30		14.19
5X6 FT		60	53.81	7.83	61.63	61.63	9.25	70.88	61.63	24.31	14.00	99.94	14.99	114.93	12.0	9.58
		90	39.60	5.22	44.82	44.82	6.72	51.54	44.82	85 HP		83.12	12.47	95.59	BLS/HR	7.97
Note: For the cost of twine add $.27/bale for 4' diameter, $.41/bale for 5' diameter and $.76/bale for 6' diameter																
NOTE: For the mesh wrap option, add $4900 for the additional capital cost. For the cost of mesh add $1.25/bale on average.																
BALERS, STANDARD (excluding twine) (bale chamber, width X height)																$/BALE
LESS 2 SQFT	19900	40	51.32	9.95	61.27	61.27	9.19	70.46	61.27			92.08	13.81	105.89		0.61
(14x18 inch)		80	29.39	4.98	34.36	34.36	5.15	39.52	34.36	16.81	14.00	65.18	9.78	74.96	175.0	0.43
		120	22.23	3.32	25.54	25.54	3.83	29.38	25.54	65 HP		56.36	8.45	64.81	BLS/HR	0.37
2 - 4 SQ FT	32800	40	84.58	16.40	100.98	100.98	15.15	116.13	100.98			139.29	20.89	160.18		0.92
(16x18 inch)		80	48.44	8.20	56.64	56.64	8.50	65.14	56.64	24.31	14.00	94.95	14.24	109.19	175.0	0.62
		120	36.64	5.47	42.10	42.10	6.32	48.42	42.10	85 HP		80.41	12.06	92.47	BLS/HR	0.53
Note: For the cost of twine add $.05/bale																
BALERS, LARGE RECTANGULAR (excluding twine) (bale chamber, width X height)																$/BALE
MEDIUM	85000	40	219.19	42.50	261.69	261.69	39.25	300.95	261.69			339.21	50.88	390.09		9.75
(35"x31"X98")		80	125.53	21.25	146.78	146.78	22.02	168.80	146.78	63.52	14.00	224.30	33.65	257.95	40.0	6.45
		120	94.94	14.17	109.11	109.11	16.37	125.47	109.11	180 HP		186.62	27.99	214.62	BLS/HR	5.37
LARGE	101000	40	260.45	50.50	310.95	310.95	46.64	357.60	310.95			388.47	58.27	446.74		11.17
(35"x47"X98")		80	149.16	25.25	174.41	174.41	26.16	200.58	174.41	63.52	14.00	251.93	37.79	289.72	40.0	7.24
		120	112.81	16.83	129.64	129.64	19.45	149.09	129.64	180 HP		207.16	31.07	238.24	BLS/HR	5.96
Note: For the cost of twine add $.78/bale																
BALE WAGONS PULL TYPE																$/BALE
83 BALE	28900	60	38.33	13.97	52.30	52.30	7.84	7.84	52.30			83.11	12.47	95.58		0.68
		100	25.48	8.38	33.86	33.86	5.08	38.93	33.86	16.81	14.00	64.67	9.70	74.37	140.0	0.53
		140	20.10	5.99	26.09	26.09	3.91	30.00	26.09	65 HP		56.90	8.54	65.44	BLS/HR	0.47
104 BALE	43000	60	57.03	20.78	77.81	77.81	11.67	89.49	77.81			116.12	17.42	133.54		0.64
		100	37.90	12.47	50.37	50.37	7.56	57.93	50.37	24.31	14.00	88.68	13.30	101.98	208.0	0.49
		140	29.91	8.91	38.82	38.82	5.82	44.64	38.82	85 HP		77.12	11.57	88.69	BLS/HR	0.43
					Average Rental Rate per Bale			0.28				Average Custom Rate per Bale				0.51
NOTE: The smaller sized bale wagons are not currently being manufactured. The above price is the last available (2002).																

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
FORAGE HARVESTERS PULL TYPE																
SMALL	30900	40	69.69	19.31	89.01	89.01	13.35	102.36	89.01			140.91	21.14	162.05		
		80	39.84	9.66	49.50	49.50	7.42	56.92	49.50	37.91	14.00	101.40	15.21	116.61		
		120	29.32	6.44	35.76	35.76	5.36	41.12	35.76	130 HP		87.66	13.15	100.81		
MEDIUM	42700	40	96.31	26.69	123.00	123.00	18.45	141.45	123.00			182.70	27.40	210.10		
		80	55.06	13.34	68.40	68.40	10.26	78.66	68.40	45.70	14.00	128.10	19.21	147.31		
		120	40.52	8.90	49.41	49.41	7.41	56.82	49.41	150 HP		109.11	16.37	125.48		
LARGE	47300	40	106.68	29.56	136.25	136.25	20.44	156.68	136.25			206.93	31.04	237.97		
		80	60.99	14.78	75.77	75.77	11.37	87.13	75.77	56.69	14.00	146.46	21.97	168.42		
		120	44.88	9.85	54.74	54.74	8.21	62.95	54.74	170 HP		125.42	18.81	144.24		
GRINDER MIXERS																
300-400 BU	27100	100	27.14	8.67	35.81	35.81	5.37	41.18	35.81			74.12	11.12	85.24		
		200	16.01	4.34	20.35	20.35	3.05	23.40	20.35	24.31	14.00	58.65	8.80	67.45		
		300	12.11	2.89	15.00	15.00	2.25	17.25	15.00	85 HP		53.31	8.00	61.30		
500-600 BU	30800	100	30.85	9.86	40.70	40.70	6.11	46.81	40.70			86.76	13.01	99.77		
		200	18.20	4.93	23.12	23.12	3.47	26.59	23.12	32.06	14.00	69.18	10.38	79.56		
		300	13.76	3.29	17.05	17.05	2.56	19.60	17.05	110 HP		63.10	9.47	72.57		
HAY RAKES																$/AC
8.5 FT	5600	50	10.91	2.24	13.15	13.15	1.97	15.12	13.15			36.46	5.47	41.93		9.32
PARALLEL		70	8.25	1.60	9.85	9.85	1.48	11.33	9.85	9.32	14.00	33.17	4.98	38.15	4.5	8.48
BAR		90	6.84	1.24	8.09	8.09	1.21	9.30	8.09	35 HP		31.40	4.71	36.12	AC/HR	8.03
9.5 FT	7000	50	13.63	2.80	16.43	16.43	2.46	18.90	16.43			39.75	5.96	45.71		9.14
PARALLEL		70	10.32	2.00	12.32	12.32	1.85	14.16	12.32	9.32	14.00	35.63	5.34	40.98	5.0	8.20
BAR		90	8.55	1.56	10.11	10.11	1.52	11.62	10.11	35 HP		33.43	5.01	38.44	AC/HR	7.69
15 FT	7100	50	13.83	2.84	16.67	16.67	2.50	19.17	16.67			39.99	6.00	45.98		5.41
WHEEL		70	10.46	2.03	12.49	12.49	1.87	14.36	12.49	9.32	14.00	35.81	5.37	41.18	8.5	4.84
TYPE		90	8.68	1.58	10.25	10.25	1.54	11.79	10.25	35 HP		33.57	5.04	38.61	AC/HR	4.54
21 FT	11400	50	22.20	4.56	26.76	26.76	4.01	30.78	26.76			51.96	7.79	59.76		4.98
WHEEL		70	16.80	3.26	20.06	20.06	3.01	23.06	20.06	11.20	14.00	45.26	6.79	52.04	12.0	4.34
TWIN		90	13.93	2.53	16.46	16.46	2.47	18.93	16.46	45 HP		41.66	6.25	47.91	AC/HR	3.99
					Average Rental Rate per Acre			2.24					Average Custom Rate per Acre			6.46

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
MANURE SPREADERS																
70-139	7100	60	13.01	2.96	15.97	15.97	2.40	18.37	15.97			43.03	6.45	49.49		
CUBIC FT.		80	10.49	2.22	12.70	12.70	1.91	14.61	12.70	13.06	14.00	39.77	5.96	45.73		
LEVEL		100	9.10	1.78	10.87	10.87	1.63	12.50	10.87	55 HP		37.94	5.69	43.63		
140-199	10500	60	19.24	4.38	23.62	23.62	3.54	27.16	23.62			50.68	7.60	58.28		
CUBIC FT.		80	15.51	3.28	18.79	18.79	2.82	21.61	18.79	13.06	14.00	45.85	6.88	52.73		
LEVEL		100	13.46	2.63	16.08	16.08	2.41	18.49	16.08	55 HP		43.14	6.47	49.61		
200-249	12200	60	22.36	5.08	27.44	27.44	4.12	31.56	27.44			58.26	8.74	67.00		
CUBIC FT.		80	18.02	3.81	21.83	21.83	3.27	25.10	21.83	16.81	14.00	52.64	7.90	60.54		
LEVEL		100	15.63	3.05	18.68	18.68	2.80	21.49	18.68	65 HP		49.50	7.42	56.92		
250-350	14600	60	26.76	6.08	32.84	32.84	4.93	37.77	32.84			68.54	10.28	78.82		
CUBIC FT.		80	21.56	4.56	26.12	26.12	3.92	30.04	26.12	21.69	14.00	61.82	9.27	71.09		
LEVEL		100	18.71	3.65	22.36	22.36	3.35	25.71	22.36	75 HP		58.05	8.71	66.76		
MOWER CONDITIONERS SICKLE																$/AC
9 FT	19600	50	38.17	9.80	47.97	47.97	7.20	55.17	47.97			73.17	10.98	84.15		18.70
		70	28.88	7.00	35.88	35.88	5.38	41.26	35.88	11.20	14.00	61.08	9.16	70.24	4.5	15.61
		90	23.95	5.44	29.39	29.39	4.41	33.80	29.39	45 HP		54.59	8.19	62.78	AC/HR	13.95
12 FT	27200	50	52.98	13.60	66.58	66.58	9.99	76.56	66.58			91.78	13.77	105.54		17.59
		70	40.08	9.71	49.80	49.80	7.47	57.26	49.80	11.20	14.00	75.00	11.25	86.25	6.0	14.37
		90	33.23	7.56	40.79	40.79	6.12	46.91	40.79	45 HP		65.99	9.90	75.89	AC/HR	12.65
14 FT	38900	50	75.76	19.45	95.21	95.21	14.28	109.49	95.21			122.27	18.34	140.62		20.09
		70	57.32	13.89	71.21	71.21	10.68	81.90	71.21	13.06	14.00	98.28	14.74	113.02	7.0	16.15
		90	47.53	10.81	58.34	58.34	8.75	67.09	58.34	55 HP		85.40	12.81	98.21	AC/HR	14.03
16 FT	40900	50	79.66	20.45	100.11	100.11	15.02	115.12	100.11			127.17	19.08	146.24		18.28
		70	60.27	14.61	74.88	74.88	11.23	86.11	74.88	13.06	14.00	101.94	15.29	117.23	8.0	14.65
		90	49.97	11.36	61.34	61.34	9.20	70.54	61.34	55 HP		88.40	13.26	101.66	AC/HR	12.71
					Average Rental Rate per Acre			10.29				Average Custom Rate per Acre				15.20
MOWER CONDITIONERS DISC																$/AC
9 FT	24700	50	48.11	12.35	60.46	60.46	9.07	69.52	60.46			85.66	12.85	98.51		21.89
		70	36.40	8.82	45.22	45.22	6.78	52.00	45.22	11.20	14.00	70.42	10.56	80.98	4.5	18.00
		90	30.18	6.86	37.04	37.04	5.56	42.60	37.04	45 HP		62.24	9.34	71.58	AC/HR	15.91
12 FT	33800	50	65.83	16.90	82.73	82.73	12.41	95.14	82.73			107.93	16.19	124.12		20.69
		70	49.81	12.07	61.88	61.88	9.28	71.16	61.88	11.20	14.00	87.08	13.06	100.14	6.0	16.69
		90	41.30	9.39	50.69	50.69	7.60	58.29	50.69	45 HP		75.89	11.38	87.27	AC/HR	14.55
14 FT	33900	50	66.02	16.95	82.97	82.97	12.45	95.42	82.97			110.04	16.51	126.54		18.08
		70	49.95	12.11	62.06	62.06	9.31	71.37	62.06	13.06	14.00	89.12	13.37	102.49	7.0	14.64
		90	41.42	9.42	50.84	50.84	7.63	58.46	50.84	55 HP		77.90	11.68	89.58	AC/HR	12.80
					Average Rental Rate per Acre			11.20				Average Custom Rate per Acre				16.44

DRAWN EQUIPMENT- LIVESTOCK AND FORAGE

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
MOWERS																$/AC
SICKLE, TRAILING																
7 FT	7200	50	14.02	3.60	17.62	17.62	2.64	20.27	17.62			40.94	6.14	47.08		13.45
		70	10.61	2.57	13.18	13.18	1.98	15.16	13.18	9.32	14.00	36.50	5.47	41.97	3.50	11.99
		90	8.80	2.00	10.80	10.80	1.62	12.42	10.80	35 HP		34.12	5.12	39.23	AC/HR	11.21
9 FT	7600	50	14.80	3.80	18.60	18.60	2.79	21.39	18.60			41.92	6.29	48.21		10.71
		70	11.20	2.71	13.91	13.91	2.09	16.00	13.91	9.32	14.00	37.23	5.58	42.82	4.50	9.51
		90	9.29	2.11	11.40	11.40	1.71	13.11	11.40	35 HP		34.72	5.21	39.92	AC/HR	8.87
					Average Rental Rate per Acre			3.94				Average Custom Rate per Acre				10.75
POST POUNDERS																
350 LB	8600	80	11.82	1.83	13.65	13.65	2.05	15.70	13.65			40.71	6.11	46.82		
HAMMER		100	10.16	1.46	11.62	11.62	1.74	13.37	11.62	13.06	14.00	38.68	5.80	44.49		
		200	9.18	1.22	10.40	10.40	1.56	11.96	10.40	55 HP		37.46	5.62	43.08		
450 LB	13000	80	17.87	2.76	20.63	20.63	3.09	23.73	20.63			47.69	7.15	54.85		
HAMMER		100	15.36	2.21	17.57	17.57	2.64	20.20	17.57	13.06	14.00	44.63	6.69	51.33		
		200	13.88	1.84	15.72	15.72	2.36	18.08	15.72	55 HP		42.79	6.42	49.20		
ELK/BISON	15500	80	21.31	3.29	24.60	24.60	3.69	28.29	24.60			60.29	9.04	69.34		
1300 LB		100	18.31	2.64	20.95	20.95	3.14	24.09	20.95	21.69	14.00	56.64	8.50	65.14		
HAMMER		200	16.55	2.20	18.75	18.75	2.81	21.56	18.75	75 HP		54.44	8.17	62.61		
					Average Rental Rate per Hour			19.22								
ROTARY CUTTERS																
6 FT	4600	50	8.96	2.30	11.26	11.26	1.69	12.95	11.26			38.32	5.75	44.07		
3PH		70	6.78	1.64	8.42	8.42	1.26	9.68	8.42	13.06	14.00	35.48	5.32	40.81		
		90	5.62	1.28	6.90	6.90	1.03	7.93	6.90	55 HP		33.96	5.09	39.05		
6-7 FT HD	6400	50	12.46	3.20	15.66	15.66	2.35	18.01	15.66			42.73	6.41	49.14		
TRAILING		70	9.43	2.29	11.72	11.72	1.76	13.47	11.72	13.06	14.00	38.78	5.82	44.60		
		90	7.82	1.78	9.60	9.60	1.44	11.04	9.60	55 HP		36.66	5.50	42.16		
10 FT	15600	50	30.38	7.80	38.18	38.18	5.73	43.91	38.18			69.00	10.35	79.35		
TRAILING		70	22.99	5.57	28.56	28.56	4.28	32.84	28.56	16.81	14.00	59.37	8.91	68.28		
		90	19.06	4.33	23.39	23.39	3.51	26.90	23.39	65 HP		54.21	8.13	62.34		
15 FT	20900	50	40.71	10.45	51.16	51.16	7.67	58.83	51.16			86.85	13.03	99.88		
TRAILING		70	30.80	7.46	38.26	38.26	5.74	44.00	38.26	21.69	14.00	73.96	11.09	85.05		
		90	25.54	5.81	31.34	31.34	4.70	36.04	31.34	75 HP		67.04	10.06	77.09		
TRAILERS, LIVESTOCK																
16 FT	9900	100	9.39	1.98	11.37	11.37	1.71	13.07	11.37			61.55	9.23	70.78		
BUMPER		150	6.81	1.32	8.13	8.13	1.22	9.35	8.13	36.18	14.00	58.31	8.75	67.06		
		200	5.44	0.99	6.43	6.43	0.97	7.40	6.43	3/4 TON		56.62	8.49	65.11		
20 FT	15400	100	14.60	3.85	18.45	18.45	2.77	21.22	18.45			68.63	10.30	78.93		
GOOSENECK		150	10.59	2.31	12.90	12.90	1.94	14.84	12.90	36.18	14.00	63.08	9.46	72.55		
		200	8.47	1.65	10.12	10.12	1.52	11.64	10.12	3/4 TON		60.30	9.05	69.35		
TUB GRINDERS																
8 TON	41700	100	43.01	13.34	56.36	56.36	8.45	64.81	56.36			102.42	15.36	117.78		
		200	24.63	6.67	31.31	31.31	4.70	36.00	31.31	32.06	14.00	77.36	11.60	88.97		
		300	18.63	4.45	23.08	23.08	3.46	26.54	23.08	110 HP		69.14	10.37	79.51		
VERTICAL FEED MIXERS																
		100	38.78	12.03	50.82	50.82	7.62	58.44	50.82			96.87	14.53	111.41		
400-560	37600	200	22.21	6.02	28.23	28.23	4.23	32.46	28.23	32.06	14.00	74.29	11.14	85.43		
CU FT		300	16.80	4.01	20.81	20.81	3.12	23.93	20.81	110 HP		66.87	10.03	76.90		
		100	50.34	15.62	65.95	65.95	9.89	75.85	65.95			117.86	17.68	135.54		
600-1000	48800	200	28.83	7.81	36.64	36.64	5.50	42.13	36.64	37.91	14.00	88.54	13.28	101.82		
CU FT		300	21.80	5.21	27.01	27.01	4.05	31.06	27.01	130 HP		78.91	11.84	90.75		

DRAWN EQUIPMENT- MISCELLANEOUS

			MACHINE COSTS PER HOUR			MACHINE RENTAL PER HOUR			CUSTOM WORK RATES							
MACHINE SIZE	ORIG. COST	ANN. HRS. OF USE	FIXED COST $/HR.	REPAIR COST $/HR.	TOTAL COST NO LABOUR $/HR.	BASIC RENTAL COST $/HR.	MARGIN $/HR.	RENTAL RATE /HR.	TOTAL MACHINE COSTS $/HR.	POWER UNIT COST $/HR.	LAB. COST $/HR.	BASIC CUSTOM WORK RATES $/HR.	MARGIN $/HR.	CUSTOM RATE $/HR.	WORK RATE	CALC. CUSTOM RATE
FRONT-END LOADERS																
FOR 50-100	6900	80	7.28	1.73	9.00	9.00	1.35	10.38	9.00			44.70	6.70	51.40		
HP.TRACTOR		100	6.08	1.38	7.46	7.46	1.12	8.58	7.46	21.69	14.00	43.16	6.47	49.63		
W/BUCKET		120	5.32	1.15	6.47	6.47	0.97	7.43	6.47	75 HP		42.16	6.32	48.48		
FOR 70-140	8400	80	8.86	2.10	10.96	10.96	1.64	12.61	10.96			51.41	7.71	59.12		
HP.TRACTOR		100	7.40	1.68	9.08	9.08	1.36	10.45	9.08	26.45	14.00	49.53	7.43	56.96		
W/BUCKET		120	6.47	1.40	7.87	7.87	1.18	9.05	7.87	95 HP		48.32	7.25	55.57		
FOR 150 +	12900	80	13.61	3.23	16.83	16.83	2.53	19.36	16.83			76.53	11.48	88.01		
HP.TRACTOR		100	11.37	2.58	13.95	13.95	2.09	16.04	13.95	45.70	14.00	73.65	11.05	84.70		
W/BUCKET		120	9.94	2.15	12.09	12.09	1.81	13.90	12.09	150 HP		71.79	10.77	82.55		
SCRAPERS																
5.5-6.5	26700	60	48.57	11.04	59.61	59.61	8.94	68.55	59.61			119.31	17.90	137.21		
YARD		80	39.14	8.28	47.42	47.42	7.11	54.53	47.42	45.70	14.00	107.12	16.07	123.19		
		100	33.96	6.63	40.58	40.58	6.09	46.67	40.58	150 HP		100.28	15.04	115.33		
8.5 YARD	31700	60	58.10	13.21	71.31	71.31	10.70	82.00	71.31			142.00	21.30	163.30		
		80	46.82	9.91	56.72	56.72	8.51	65.23	56.72	56.69	14.00	127.41	19.11	146.52		
		100	40.62	7.93	48.55	48.55	7.28	55.83	48.55	170 HP		119.24	17.89	137.12		
SNOW BLOWERS																
FRONT	12700	20	49.63	12.07	61.69	61.69	9.25	70.94	61.69			102.14	15.32	117.46		
MOUNT		40	27.99	6.03	34.02	34.02	5.10	39.12	34.02	26.45	14.00	74.47	11.17	85.64		
8 FT		100	15.01	2.41	17.42	17.42	2.61	20.03	17.42	95 HP		57.87	8.68	66.55		
REAR	5500	20	21.49	5.23	26.72	26.72	4.01	30.72	26.72			57.53	8.63	66.16		
MOUNT		40	12.12	2.61	14.73	14.73	2.21	16.94	14.73	16.81	14.00	45.55	6.83	52.38		
7 FT		100	6.50	1.05	7.54	7.54	1.13	8.67	7.54	65 HP		38.36	5.75	44.11		
REAR	6300	20	24.62	5.99	30.60	30.60	4.59	35.19	30.60			61.42	9.21	70.63		
MOUNT		40	13.88	2.99	16.88	16.88	2.53	19.41	16.88	16.81	14.00	47.69	7.15	54.84		
8 FT		100	7.44	1.20	8.64	8.64	1.30	9.94	8.64	65 HP		39.45	5.92	45.37		

APPENDIX A

Custom Grain and Hay Hauling

A. Hauling Grain from the Farm to Market

a. Truck - 3 ton, 350 bushel: excluding labour costs $95.36/hour
b. Auger - 7 inch, 40 ft, w/gas engine excluding labour costs $14.19/hour
c. The labour rate is $14.00/hour
d. Unload time: 10 minutes at elevator (truck engine and PTO running 5 minutes).

	3	6	9	12
Auger Costs per Load	$4.73	$4.73	$4.73	$4.73
Time in minutes	20	20	20	20
Truck Costs per Load	$27.02	$41.32	$55.62	$68.34
Time in minutes (includes 5 minutes unload time)	17	26	35	43
Labour Costs per Load	$9.80	$11.90	$14.00	$15.87
Total time in minutes	42	51	60	68
Total Cost per Load	$41.55	$57.95	$74.35	$88.93
Margin per Load (15%)	$6.23	$8.69	$11.15	$13.34
Custom Rate per Load (350 bu.)	$47.78	$66.64	$85.51	$102.27
Custom Rate per Bushel	$0.14	$0.19	$0.24	$0.29

The calculated custom rate is $0.14/bushel for the first 3 miles plus 0.018/bushel for each additional mile.
Note: This is for a three ton truck and will not be the same as for commercial trucking rates.

B. Hauling Seed to the Field

Assume
1. seeding 160 acres with 30' air seeder (12 hours)
2. 3 ton truck costs $95.36/hour
3. truck running time includes - loading 5 minutes equals 0.08 hours
- driving to and from field 15 minutes equals 0.25 hours
- running time in field 12 hours X 20% equals 2.40 hours
2.73 hours

The Truck Cost for 160 acres is $95.36/hour X 2.73 hours equals 260.32
The Trucking Cost per acre is $260.32 /160 acres = $1.63 per acre.

If one truck is used for fertilizer and one truck is used for seed then double the trucking cost per acre.

APPENDIX A

C. Hauling Grain from the Field to Yard

a. Truck - 3 ton, 350 bushel truck excluding labour costs $95.36 /hour
b. Auger - 7 inch X 40' with gas engine excluding labour costs $14.19 /hour
c. Labour rate $14.00 /hour
d. Unload time: 11 minutes at bin (truck engine and PTO running)

(1) Time Use

Distance: Field to yard in miles	0.5	1	1.5	2	3	4
Travel Time to Yard and Return (min)	4	6.5	8.5	10	12	15
Total Unload Time at Bin (min)	11	11	11	11	11	11
Time truck running during unload (min)	5	5	5	5	5	5
Time unload twice from one combine or once from each of two combines (min)	10	10	10	10	10	10
Time per Trip Truck Running (min)	19	21.5	23.5	25	27	30
Waiting Time in Field (truck not running)						
(a) hauling from one combine (min)	47	44.5	42.5	41	39	36
(b) hauling from two combines (min)	11	8.5	6.5	5	3	0
Total Time per Trip						
(a) hauling from one combine (min)	72	72	72	72	72	72
(b) hauling from two combines (min)	36	36	36	36	36	36
(2) Component Costs per Trip						
(a) Truck Costs/Trip	$30.20	$34.17	$37.35	$39.73	$42.91	$47.68
(b) Auger Costs/Trip	$2.60	$2.60	$2.60	$2.60	$2.60	$2.60
(c) Labour Costs/Trip - one combine	$16.80	$16.80	$16.80	$16.80	$16.80	$16.80
(d) Labour Costs/Trip - two combines	$8.40	$8.40	$8.40	$8.40	$8.40	$8.40
(3) Custom Rate $/hr. (includes 15% margin)						
- hauling from one combine	$47.53	$51.34	$54.38	$56.67	$59.72	$64.28
- hauling from two combines	$78.96	$86.58	$92.67	$97.24	$103.33	$112.47
(4) Custom Rate $/bu. (includes 15 % margin)						
- haul from one combine bu/hr = 300	$0.16	$0.17	$0.18	$0.19	$0.20	$0.21
- haul from two combines bu/hr = 600	$0.13	$0.14	$0.15	$0.16	$0.17	$0.19

The calculated custom rate for hauling from one combine is $0.17 for the first mile and $0.015 for each additional mile.

The calculated custom rate for hauling from two combines is $0.14 or the first mile and $0.015 for each additional mile.

APPENDIX A

D. Hauling Large Round Bales from Field to Yard

The following cost calculation of hauling large round bales from the field to the yard includes the cost of a large round bale mover, tractor and labour. The large round bale mover can pick up large round bales in the field, transport them to the yard and unload them automatically.

assume
a. 8 bale large round bale mover — $70.07 /hour custom rate
b. 65 horsepower tractor
c. Two mile haul takes 30 minutes (4 miles round trip) (16 bales per hour)
d. Six mile haul takes 60 minutes (12 mile round trip) (8 bales per hour)

Cost per bale - two mile haul: $ 70.07 / 16 = $ 4.38
Cost per bale - six mile haul: $ 70.07 / 8 = $ 8.76

assume
a. 14 bale large round bale mover — $117.63 /hour custom rate
b. 110 horsepower tractor
c. Two mile haul takes 40 minutes (4 miles round trip) (21 bales per hour)
d. Six mile haul takes 70 minutes (12 mile round trip) (12 bales per hour)

Cost per bale - two mile haul: $ 117.63 / 21 = $ 5.60
Cost per bale - six mile haul: $ 117.63 / 12 = $ 9.80

E. Hauling Water for Field Spraying - Cart Sprayer

	2.5gal/acre		5gal/acre		7.5gal/acre		10gal/acre	
	part time driver	full time driver	part time driver	full time driver	part time driver	full time driver	part time driver	full time driver
Assume								
ac sprayed per hr is the avg of 80' and 100' booms	42.0	42.0	40.0	40.0	38.0	38.0	36.0	36.0
labour cost/hr	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
3 ton truck cost per hour	95.36	95.36	95.36	95.36	95.36	95.36	95.36	95.36
truck hauls 1200 gal/load	1200	1200	1200	1200	1200	1200	1200	1200
acres per load = 1200 gal/(gal/ac)	480	480	240	240	160	160	120	120
hours per load = 1200gal/(gal/ac)/(ac/hr)	11.43	11.43	6.00	6.00	4.21	4.21	3.33	3.33
3 ton driving time going for water (min)	13.3	13.3	25.3	25.3	36.0	36.0	45.5	45.5
driving time in the field (min)	1.8	1.8	3.5	3.5	5.0	5.0	6.3	6.3
total time minutes per 160 acres (min) *	15.1	15.1	28.8	28.8	41.0	41.0	51.8	51.8
3 Ton cost for 160 acres	24.00	24.00	45.77	45.77	65.16	65.16	82.32	82.32
labour cost for 160 acres	3.52	160.00	6.72	84.00	9.57	58.95	12.09	46.67
3 Ton and labour cost for 160 acres	27.52	184.00	52.49	129.77	74.73	124.11	94.41	128.99
add 15% margin	4.13	27.60	7.87	19.47	11.21	18.62	14.16	19.35
total cost of hauling for 160 acres	31.65	211.60	60.36	149.24	85.94	142.72	108.57	148.34
cost of purchase or pumping water for 160 ac **	3.33	3.33	6.67	6.67	10.00	10.00	13.33	13.33
cost per 160 acres for hauling and water	34.98	214.93	67.03	155.90	95.94	152.72	121.91	161.67
cost per acre of water hauling	0.22	1.34	0.42	0.97	0.60	0.95	0.76	1.01

* based on one load taking 41 minutes
** based on one load costing $10.00

APPENDIX A

F. High Clearance Sprayer Transportation Costs

Assume:

1. 80 ft. sprayer does 800 ac/day; 90 ft. sprayer does 900 ac/day; 100 ft. sprayer does 1000 ac/day
2. 3 ton truck costs $125.76 /hr
3. Truck running time approximately 3 hrs/day
4. Trailer costs based on $14000 are $11.73 /hr
5. Truck/trailer costs/day: $412.47 /hr
6. 80' sprayer 800 ac/day: $0.52 /ac Transportation Costs
7. 90' sprayer 900 ac/day: $0.46 /ac Transportation Costs
8. 100' sprayer 1000 ac/day: $0.41 /ac Transportation Costs

Average: $0.46 /ac Transportation Costs

Note: 3 ton truck costs include labour and margin

G. Hauling Water for Field Spraying - SP Sprayer

	2.5gal/acre		5gal/acre		7.5gal/acre		10gal/acre	
	part time driver	full time driver	part time driver	full time driver	part time driver	full time driver	part time driver	full time driver
Assume								
ac sprayed per hr is avg of 80' and 100' booms	99.0	99.0	94.5	94.5	90.0	90.0	85.5	85.5
labour cost/hr	14.00	14.00	14.00	14.00	14.00	14.00	14.00	14.00
3 ton truck cost per hour	95.36	95.36	95.36	95.36	95.36	95.36	95.36	95.36
truck hauls 1200 gal/load	1200	1200	1200	1200	1200	1200	1200	1200
acres per load = 1200 gal/(gal/ac)	480	480	240	240	160	160	120	120
hours per load = 1200gal/(gal/ac)/(ac/hr)	4.85	4.85	2.54	2.54	1.78	1.78	1.40	1.40
3 ton driving time going for water (min)	13.3	13.3	25.3	25.3	36.0	36.0	45.5	45.5
driving time in the field (min)	1.8	1.8	3.5	3.5	5.0	5.0	6.3	6.3
total time minutes per 160 acres (min) *	15.1	15.1	28.8	28.8	41.0	41.0	51.8	51.8
3 Ton cost for 160 acres	24.00	24.00	45.77	45.77	65.16	65.16	82.32	82.32
labour cost for 160 acres	3.52	67.88	6.72	35.56	9.57	24.89	12.09	19.65
3 Ton and labour cost for 160 acres	27.52	91.88	52.49	81.33	74.73	90.05	94.41	101.97
add 15% margin	4.13	13.78	7.87	12.20	11.21	13.51	14.16	15.30
total cost of hauling for 160 acres	31.65	105.66	60.36	93.53	85.94	103.56	108.57	117.27
cost of purchase or pumping water for 160 ac **	3.33	3.33	6.67	6.67	10.00	10.00	13.33	13.33
cost per 160 acres for hauling and water	34.98	108.99	67.03	100.19	95.94	113.56	121.91	130.60
cost per acre of water hauling	0.22	0.68	0.42	0.63	0.60	0.71	0.76	0.82

* based on one load taking 41 minutes

** based on one load costing $10.00

APPENDIX B

Self Propelled Combine Classification (Current Models)

SIZE	AC/HR	MANUFACTURER	MODEL
Class 5	<300hp/<250bu hopper	CNH-CIH	5088
	8-12 ac/hr	John Deere STS	9570
Class 6	Up to 300hp/<300 bu hopper	CNH-CIH	6088
	10-15 ac/hr	CNH-NH	CR 9040
		CNH-NH	CX 8070
		AgCo MF	9695
		AgCo Gleaner	R65
		AgCo Gleaner	A66
		John Deere STS	9670
		John Deere	9660
Class 7	>300hp/300 bu hopper	CNH-CIH	7120
	15-18 ac/hr	CNH-NH	CR 9060
		CNH-NH	CX 8080
		AgCo MF	9795
		AgCo Gleaner	R66
		AgCo Gleaner	A76
		John Deere STS	9770
		Claas Lexion	570
		Claas Lexion	570R
Class 8+	>350hp/>300 bu hopper	CNH-CIH	8120
	20+ ac/hr	CNH-NH	CR 9070
		CNH-NH	CX 8090
		AgCo MF	9895
		AgCo Gleaner	R76
		AgCo Gleaner	A86
		John Deere STS	9870
		Claas Lexion	580R
		Claas Lexion	590R

Self-Propelled High Clearance Sprayers Classification (Current Models)

There is no official standard for the classification of high clearance sprayers. However, the following is commonly used by the industry. It is based on the product tank size of the sprayer in United States (U.S.) gallons.

Class 1: 200 gallons – 499 gallons
Class 2: 500 gallons – 649 gallons
Class 3: 650 gallons – 899 gallons
Class 4: 900 gallons – 1200 gallons

APPENDIX C

Rental Rate Calculation Worksheet

Machine _____ Original Cash Cost $_____

Basic Rental Cost (Per Hour)

Fixed Costs: _____ x _____ = $_____/hr (A)
Rate/hr* Number of $1000 original cash cost

Repairs: _____ x _____ = $_____/hr (B)
Rate/hr* Number of $1000 original cash cost

Basic Rental Cost (A + B) = $_____/hr (C)

Rental
Margin: _____ x _____ = $ _____/hr (D)
Suggested rate 15%* Basic Rental Costs (C)

Rental Rate Per Hour (C + D) = $ _____ /hr

* Refer to "Machinery Cost Calculation Guide" Appendix F, Column D for fixed costs rate/hour, and Column E for repair costs rate/hour.

APPENDIX D

Custom Rate Calculation Worksheet

Operation _____

Power Unit _____ Original Cash Cost $ _____
Tractor, SP Machine

Machine _____ Original Cash Cost $ _____
Tillage Implements, PTO Machine, Other

Power Unit Costs (Per Hour)

Fixed Costs _____ x _____ = $_____/hr (1)
Rate/hr* Number of $1000 original cash cost

Fuel _____ x _____ = $_____/hr (2)
Litre/hr Price/Litre

Oil and Grease $.40 x _____Hp = $_____/hr (3)
100 Hp

Repairs** _____ x _____ = $_____/hr (4)
Rate/hr* Number of $1000 original cash cost

Total Costs of Power Unit (1+2+3+4) = $ _____ /hr (A)

Machine Costs (Per Hour)

Fixed Costs _____ x _____ = $_____/hr (5)
Rate/hr* Number of $1000 original cash cost

Repairs** _____ x _____ = $_____/hr (6)
Rate/hr* Number of $1000 original cash cost

Total Costs of Machinery (5+6) = $ _____ /hr (B)

Labour Cost Per Hour = $ _____ /hr (C)

Total Costs of Power Unit, Machine and Operator (A+B+C) = $ _____ /hr (D)

Margin Per hour _____ x $ _____/hr = $_____ /hr (E)
Suggested Rate 15% D

Custom Rate = Total Cost + Margin (D + E) = $ _____ /hr (F)

Work Rate (acres/hr)*** = $ _____ ac/hr (G)

Custom rate per acre*** (F/G) = $ _____ /acre

* Refer to "Machinery Cost Calculation Guide" Appendix F, Column D for fixed costs rate/hr, and column E for repair costs rate/hr.
** If you use less than original cash cost in the repair calculation you will be underestimating repair costs.
*** Where appropriate, substitute other units (bales, tons) for acres.

APPENDIX E

Formulas Used in Calculations

A. **Fixed costs** per hour are the sum of (i) Depreciation, (ii) Investment Costs, (iii) Insurance and Housing.

$$\text{i) Depreciation/hr} = \frac{\dfrac{\text{Original Cash Cost}^{*} - \text{Salvage Value}^{**}}{\text{Years Lifetime}}}{\text{Annual Hours Use}}$$

$$\text{ii) Investment Cost/hr} = \frac{\dfrac{\text{Original Cash Cost}^{*} + \text{Salvage Value}^{**}}{2} \times 3.3\%^{***}}{\text{Annual Hours Use}}$$

$$\text{iii) Insurance and Housing/hr} = \frac{\text{Original Cash Cost}^{*} \times 1\%}{\text{Annual Hours Use}}$$

The short cut method calculates fixed costs on an hourly basis per $1000 of original cost.

$$\frac{\text{Original Cash Cost}}{1000} \times \text{Applicable Cost Factor (from Appendix F, Column D)}$$

B. **Repair costs** are calculated on an hourly basis per $1,000 of original cost.

$$\frac{\text{Original Cash Cost}}{1000} \times \text{Applicable Cost Factor from Appendix F, Column E}$$

C. **Acres per hour**

$$\text{Tillage Operations (82.5\% field efficiency)} = \frac{\text{Machine Width (ft)} \times \text{Speed (m.p.h.)}}{10}$$

$$\text{Seeding and Harvesting (69\% field efficiency)} = \frac{\text{Machine Width (ft)} \times \text{Speed (m.p.h.)}}{12}$$

* Original Cash Cost is the cash price you would pay for a new machine without a trade.
** Salvage value is assumed to be 10 per cent of Original Cash Cost.
*** 3.3 per cent interest rate assumes machine investment is 50 per cent borrowed and 50 per cent owned. Refer to Page i, Assumptions #1.

APPENDIX F

Machinery Cost Calculation Guide

MACHINE	A ANNUAL USE HRS	B DEP'N LIFE YRS	C AVERAGE ANNUAL REPAIR RATE - % OF ORIGINAL CASH COST	D FIXED COST/ HOUR/ $1000 OF ORIGINAL CASH COST	E REPAIR COST/ HOUR/ $1000 OF ORIGINAL CASH COST
AIR DISK DRILLS	100	17		0.8109	0.3000
AIR HOE DRILLS	150	15	3	0.5877	0.2000
AIR SEEDERS	200	13.5		0.4741	0.1500
BALE MOVERS	40	14.5		2.2555	0.6250
	80	12	2.5	1.2894	0.3125
	120	10.5		0.9489	0.2083
	100	12		1.0315	0.3200
BALE PROCESSORS	200	10	3.2	0.5908	0.1600
	300	8.5		0.4468	0.1067
BALE THROWERS	40	12		2.5788	0.5000
	80	10	2	1.4769	0.2500
	120	8.5		1.1169	0.1667
BALE WAGONS, PTO	60	17.5		1.3263	0.4833
	100	15	2.9	0.8815	0.2900
	140	13		0.6956	0.2071
BALE WAGONS, SP	60	17.5		1.3263	0.3333
	100	15	2	0.8815	0.2000
	140	13		0.6956	0.1429
BALERS,	30	14.5		3.0073	0.5000
LARGE ROUND	60	12	1.5	1.7192	0.2500
	90	10.5		1.2652	0.1667
BALERS, STANDARD	40	12		2.5788	0.5000
BALERS, LARGE	80	10	2	1.4769	0.2500
	120	8.5		1.1169	0.1667
COMBINES, PTO	120	13		0.8115	0.2667
	150	12	3.2	0.6877	0.2133
	180	11		0.6109	0.1778
	350	8.5		0.3829	0.0914
COMBINES, SP	120	13		0.8115	0.2667
	150	12	3.2	0.6877	0.2133
	180	11		0.6109	0.1778
	350	8.5		0.3829	0.0914
CULTIVATORS	150	17.5	CLAY-SAND	0.5305	0.3667
FIELD , H.D., WIDE BLADE	250	15	5.5	0.3526	0.2200
& ANHYDROUS AMMONIA	350	13	(3.0-8.0)	0.2782	0.1571
DISCERS &	100	17		0.8109	0.3000
DISKS, TANDEM	150	15	3	0.5877	0.2000
	200	13.5		0.4741	0.1500

APPENDIX F

Machinery Cost Calculation Guide

MACHINE	A ANNUAL USE HRS	B DEP'N LIFE YRS	C AVERAGE ANNUAL REPAIR RATE - % OF ORIGINAL CASH COST	D FIXED COST/ HOUR/ $1000 OF ORIGINAL CASH COST	E REPAIR COST/ HOUR/ $1000 OF ORIGINAL CASH COST
DRILLS, SEED	100	17		0.8109	0.3000
DRILLS, ZERO TILL GRAVITY	150	15	3	0.5877	0.2000
	200	13.5		0.4741	0.1500
FERTILIZER SPREADERS	60	16		1.4067	0.5000
	80	15	3	1.1019	0.3750
	100	14		0.9244	0.3000
FORAGE HARVESTERS	40	14.5		2.2555	0.6250
	80	12	2.5	1.2894	0.3125
	120	10.5		0.9489	0.2083
FRONT END LOADERS	80	16		1.0550	0.2500
	100	15	2	0.8815	0.2000
	120	14		0.7703	0.1667
GRAIN AUGERS	25	18		3.1260	0.8000
GRAIN VACS	50	15	2	1.7630	0.4000
	75	13		1.2984	0.2667
	50	30		1.1630	0.4160
GRAIN CONVEYORS	100	25	2.08	0.6415	0.2080
	150	21		0.4734	0.1387
GRAIN DRYERS	100	18		0.7815	0.1250
BATCH	200	15	1.25	0.4408	0.0625
	300	13		0.3246	0.0417
GRAIN DRYERS	50	18		1.5630	0.2500
CONTINUOUS	100	15	1.25	0.8815	0.1250
	200	13		0.4869	0.0625
GRANULAR HERBICIDE	60	16		1.4067	0.5000
APPLICATORS	80	15	3	1.1019	0.3750
	100	14		0.9244	0.3000
GRINDER MIXERS	100	12.5		1.0015	0.3200
	200	10	3.2	0.5908	0.1600
	300	8.5		0.4468	0.1067
HARROWS, STANDARD	60	19.6		1.2345	0.4500
HARROWS, HEAVY	100	17	2.7	0.8109	0.2700
	140	15		0.6296	0.1929
HARROW PACKERS	60	19.6		1.2345	0.4500
	100	17	2.7	0.8109	0.2700
	140	15		0.6296	0.1929
HAY RAKES	50	13		1.9476	0.4000
	70	12	2	1.4736	0.2857
	90	11		1.2219	0.2222

APPENDIX F

Machinery Cost Calculation Guide

MACHINE	A ANNUAL USE HRS	B DEP'N LIFE YRS	C AVERAGE ANNUAL REPAIR RATE - % OF ORIGINAL CASH COST	D FIXED COST/ HOUR/ $1000 OF ORIGINAL CASH COST	E REPAIR COST/ HOUR/ $1000 OF ORIGINAL CASH COST
HEADERS: PICKUP,	100	18		0.7815	0.2700
RIGID, FLEX, DRAPER	150	16		0.5627	0.1800
	200	15	2.7	0.4408	0.1350
	250	14		0.3697	0.1080
	300	13		0.3246	0.0900
LAND ROLLERS	60	19.6		1.2345	0.4500
GRAIN CARTS	100	17	2.7	0.8109	0.2700
	140	15		0.6296	0.1929
MANURE SPREADERS	60	11		1.8328	0.4167
	80	10	2.5	1.4769	0.3125
	100	9		1.2815	0.2500
MANURE SPREADERS	120	11		0.9164	0.2083
LIQUID	140	10	2.5	0.8439	0.1786
	160	9		0.8009	0.1563
MOWER CONDITIONER	50	13		1.9476	0.5000
DISC OR SICKLE	70	12	2.5	1.4736	0.3571
MOWERS	90	11		1.2219	0.2778
PLOWS	100	17.5		0.7958	0.4000
	150	15	4	0.5877	0.2667
	200	13		0.4869	0.2000
POST POUNDERS	80	11		1.3746	0.2125
	100	10	1.7	1.1815	0.1700
	120	9		1.0679	0.1417
ROCK PICKERS	60	11		1.8328	0.4167
ROCK RAKES	80	10	2.5	1.4769	0.3125
& COMBINATIONS	100	9		1.2815	0.2500
RODWEEDERS	60	17.5		1.3263	0.4167
	100	15	2.5	0.8815	0.2500
	140	13		0.6956	0.1786
ROTARY CUTTERS	50	13		1.9476	0.5000
	70	12	2.5	1.4736	0.3571
	90	11		1.2219	0.2778
SCRAPERS	60	11		1.8328	0.4167
	80	10	2.5	1.47[illegible]	0.3125
	100	9		1.2815	0.2500
SNOW BLOWERS	20	18		3.9075	0.9500
	40	15	1.9	2.2038	0.4750
	100	10		1.1815	0.1900
SPRAYERS, PTO	30	17.5		2.6526	1.0333
SPRAYERS, TRUCK MOUNT	60	14	3.1	1.5406	0.5167
	120	10.5		0.9489	0.2583

APPENDIX F

Machinery Cost Calculation Guide

MACHINE	A ANNUAL USE HRS	B DEP'N LIFE YRS	C AVERAGE ANNUAL REPAIR RATE - % OF ORIGINAL CASH COST	D FIXED COST/ HOUR/ $1000 OF ORIGINAL CASH COST	E REPAIR COST/ HOUR/ $1000 OF ORIGINAL CASH COST
SPRAYERS SP	200	12		0.5158	0.1750
HIGH CLEARANCE	300	11		0.3666	0.1167
	400	10	3.5	0.2954	0.0875
	500	9		0.2563	0.0700
	600	8		0.2344	0.0583
SWATHERS, PTO	60	17.5		1.3263	0.4833
	100	15	2.9	0.8815	0.2900
	140	13		0.6956	0.2071
SWATHERS, SP	60	17.5		1.3263	0.3667
	100	15	2.2	0.8815	0.2200
	140	13		0.6956	0.1571
SWATH ROLLERS	60	17.5		1.3263	0.2500
	100	15	1.5	0.8815	0.1500
	140	13		0.6956	0.1071
TRACTORS, 2WD	200	20		0.3658	0.1550
	300	16.5		0.2757	0.1033
	400	14.5		0.2255	0.0775
	600	13.0	3.1	0.1623	0.0517
	800	11.5		0.1330	0.0388
TRACTORS, 4WD	200	20		0.3658	0.1300
	300	16.5		0.2757	0.0867
	400	14.5		0.2255	0.0650
	600	13.0	2.6	0.1623	0.0433
	800	11.5		0.1330	0.0325
TRAILERS, LIVESTOCK	100	13.5		0.9482	0.2000
	150	12	2	0.6877	0.1333
	200	11		0.5498	0.1000
TRUCKS, GRAIN	100	13.5		0.9482	0.2500
	150	12	2.5	0.6877	0.1667
	200	11		0.5498	0.1250
TRUCKS, PICKUP	200	10.5		0.5693	0.1550
	250	10	3.1	0.4726	0.1240
	300	9.5		0.4096	0.1033
TUB GRINDERS	100	12		1.0315	0.3200
VERTICAL FEED MIXERS	200	10	3.2	0.5908	0.1600
	300	8.5		0.4468	0.1067

APPENDIX G

Rental of Farm Buildings

You need to consider the following:	Your farm	Example
• Replacement cost of buildings	_____	$20,000
• Salvage value of buildings	_____	$8,000
• Investment rate of return	_____	3.3%
• Repair rate (% of replacement cost)*	_____	

Calculations:

A. Investment Cost:

$$\frac{\text{(Replacement cost)+(Salvage value)}}{2} \times \text{(Investment rate)} = _____$$

B. Depreciation:

$$\frac{\text{(Replacement cost)-(Salvage value)}}{\text{Years of service}} = _____$$

C. Insurance:

Annual insurance premiums = _____

D. Repairs:

Annual repair cost* = _____

TOTAL _____

Example Calculation:

A: $\frac{(\$20{,}000 + \$8{,}000)}{2} \times (3.3\%) =$	$462
B: $\frac{(\$20{,}000 - \$8{,}000)}{30} =$	$400
C: Annual premium =	$ 60
D: $20,000 x 0.005 =	$100
TOTAL =	$1,022**

*Repair rates are hard to estimate; steel buildings (bins and quonsets) might be 0.5 per cent of replacement cost per year, aeration fans might be higher, wood buildings might be one to three per cent of replacement cost.

** Divide by number of bushels of storage to get a cost per bushel.

APPENDIX H

Factors to Consider When Custom Hiring

Custom hiring is a business arrangement. The terms of the arrangement should be written in a formal agreement. If unwritten, the terms are more likely to be misunderstood in case of a dispute. The following factors should be considered in a custom hiring agreement.

Timeliness

Significant losses can occur if an operation is not started or completed on time. To facilitate planning, a custom hiring agreement should include a schedule of operations for both parties. For example, when the custom combiner is picking up swathed grain, the schedule would outline time periods for swathing by the owner and combining by the custom operator. Such a schedule would be subject to weather conditions and crop maturity.

Operations

The parties should write into the agreement the exact operations to be performed by each party and the machine, materials and labour to be supplied by each.

Rate Schedule

The custom operator should stipulate the rate for each operation to be performed on the basis of acreage, time (hour, day, and week) or total operation performed.

Management

A custom hiring agreement should ensure that the custom operator will employ acceptable management practices in his/her operations.

Terms of Payment

A custom hiring agreement should stipulate terms of payment for custom operations. As well, the custom operator should bill the client upon the completion of each custom operation. The bill should indicate actual units (hours, acres, etc.) completed, the rate charged per unit, the total charge and payment due date.

Termination

A minimum period for notice of termination should be included in a custom hiring agreement. A penalty should be stipulated for unjustified termination within the term of the agreement.

Insurance

A custom operator may be considered differently than a farmer when insuring. It is advised that this point be clarified with the insurance company if one considers doing custom work or renting equipment.

Sample Custom Farming Agreement

Date: _____

Section A

_____,hereinafter referred to as the "custom operator", agrees to conduct the following types of machine operations on the described farm land of_____ hereinafter referred to as the "owner", located at _____ Saskatchewan, for the year 20_____.

Description of Machine Operation	Legal Location	Acres	Fee Per Acre

Note: Be specific about what each machine operation includes (for example: Harvesting - does it include swathing, combining with pickup and hauling the grain to the storage facility, or straight cutting the crop and hauling the grain to the storage facility?).

Section B

The custom operator agrees to complete the said machine operations according to the following schedule:

Machine Operation	Commencement Date	Completion Date

Section C

If during the term hereof, any of the goods and chattels of the custom operator are seized by any creditor, this agreement is forfeited and void.

The term owner and custom operator shall include the executors, administrators and assigns of the owner and custom operator, respectively.

Payment is due upon completion of said machine operations. Overdue accounts past 30 days are subject to a two per cent per month interest charge.

_____ Witness

_____ Custom Operator

_____ Witness

_____ Owner

Sample Custom Farming Agreement

Date: _____

Section A

_____,hereinafter referred to as the "custom operator", agrees to conduct the following types of machine operations on the described farm land of_____ _____ hereinafter referred to as the "owner", located at _____ Saskatchewan, for the year 20_____.

Description of Machine Operation	Legal Location	Acres	Fee Per Acre
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Note: Be specific about what each machine operation includes (for example: Harvesting - does it include swathing, combining with pickup and hauling the grain to the storage facility, or straight cutting the crop and hauling the grain to the storage facility?).

Section B

The custom operator agrees to complete the said machine operations according to the following schedule:

Machine Operation	Commencement Date	Completion Date
_____	_____	_____
_____	_____	_____
_____	_____	_____

Section C

If during the term hereof, any of the goods and chattels of the custom operator are seized by any creditor, this agreement is forfeited and void.

The term owner and custom operator shall include the executors, administrators and assigns of the owner and custom operator, respectively.

Payment is due upon completion of said machine operations. Overdue accounts past 30 days are subject to a two per cent per month interest charge.

_____ _____

Witness Custom Operator

_____ _____

Witness Owner